

# **PART 70 OPERATING PERMIT OFFICE OF AIR MANAGEMENT**

**Textron Automotive Company  
2782 East U.S. Highway 52  
Morristown, Indiana 46161**

(herein known as the Permittee) is hereby authorized to operate subject to the conditions contained herein, the source described in Section A (Source Summary) of this permit.

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-7 and 326 IAC 2-1-3.2 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17.

Operation Permit No.: T 145-7514-00033	
Issued by: Janet G. McCabe, Assistant Commissioner Office of Air Management	Issuance Date:

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## SECTION A

## SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Management (OAM). The information describing the source contained in conditions A.1 through A.3 is descriptive information and does not constitute enforceable conditions. However, the Permittee should be aware that a physical change or a change in the method of operation that may render this descriptive information obsolete or inaccurate may trigger requirements for the Permittee to obtain additional permits or seek modification of this permit pursuant to 326 IAC 2, or change other applicable requirements presented in the permit application.

### A.1 General Information [326 IAC 2-7-4(c)] [326 IAC 2-7-5(15)]

The Permittee owns and operates a stationary plastic automotive parts manufacturing and finishing operation.

Responsible Official:	Howard May
Source Address:	2782 East U.S. Highway 52, Morristown, Indiana 46161
Mailing Address:	P.O. Box 559, Morristown, Indiana 46161
SIC Code:	3714
County Location:	Shelby
County Status:	Attainment for all criteria pollutants
Source Status:	Part 70 Permit Program Minor Source, under PSD Rules; Major Source, Section 112 of the Clean Air Act

### A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)] [326 IAC 2-7-5(15)]

This stationary source consists of the following emission units and pollution control devices:

- (a) One (1) surface coating booth known as A, installed in 1989, equipped with high volume, low pressure (HVLP) spray guns and dry filters for overspray control, exhausting to S/V SA, nominal capacity: 950 plastic automotive parts per hour.
- (b) One (1) surface coating booth known as B, installed in 1989, equipped with high volume, low pressure (HVLP) spray guns and dry filters for overspray control, exhausting to S/V SB, nominal capacity: 750 plastic automotive parts per hour.
- (c) One (1) surface coating booth known as C, installed in 1989, equipped with high volume, low pressure (HVLP) spray guns and dry filters for overspray control, exhausting to S/V SC, nominal capacity: 750 plastic automotive parts per hour.
- (d) One (1) surface coating booth known as D, installed in 1989, equipped with high volume, low pressure (HVLP) spray guns and dry filters for overspray control, exhausting to S/V SD, nominal capacity: 750 plastic automotive parts per hour.
- (e) One (1) surface coating booth known as E, installed in 1989, equipped with high volume, low pressure (HVLP) spray guns and dry filters for overspray control, exhausting to S/V SE, nominal capacity: 750 plastic automotive parts per hour.

- (f) One (1) surface coating booth known as F, installed in 1989, equipped with high volume, low pressure (HVLP) spray guns and dry filters for overspray control, exhausting to S/V SF, nominal capacity: 375 plastic automotive parts per hour.
- (g) One (1) surface coating booth known as G, installed in 1989, equipped with high volume, low pressure (HVLP) spray guns and dry filters for overspray control, exhausting to S/V SG, nominal capacity: 375 plastic automotive parts per hour.
- (h) One (1) surface coating booth known as 9, installed prior to 1989, equipped with high volume, low pressure (HVLP) spray guns and dry filters for overspray control, exhausting to S/V S9, nominal capacity: 750 plastic automotive parts per hour.
- (i) One (1) surface coating booth known as 10, installed prior to 1989, equipped with high volume, low pressure (HVLP) spray guns and dry filters for overspray control, exhausting to S/V S10, nominal capacity: 375 plastic automotive parts per hour.
- (j) One (1) surface coating booth known as 11, installed prior to 1989, equipped with high volume, low pressure (HVLP) spray guns and dry filters for overspray control, exhausting to S/V S11, nominal capacity: 375 plastic automotive parts per hour.
- (k) One (1) surface coating booth known as 12, installed prior to 1989, equipped with high volume, low pressure (HVLP) spray guns and dry filters for overspray control, exhausting to S/V S12, nominal capacity: 375 plastic automotive parts per hour.
- (l) One (1) surface coating booth known as 13, installed prior to 1989, equipped with high volume, low pressure (HVLP) spray guns and dry filters for overspray control, exhausting to S/V S13, nominal capacity: 375 plastic automotive parts per hour.
- (m) One (1) surface coating booth known as HA5, installed in 1992, equipped with high volume, low pressure (HVLP) spray guns and dry filters for overspray control, exhausting to S/V SHA5, nominal capacity: 625 plastic automotive parts per hour.
- (n) One (1) surface coating booth known as HA6, installed in 1992, equipped with high volume, low pressure (HVLP) spray guns and dry filters for overspray control, exhausting to S/V SHA6, nominal capacity: 275 plastic automotive parts per hour.
- (o) One (1) surface coating booth known as HA7, installed in 1992, equipped with high volume, low pressure (HVLP) spray guns and dry filters for overspray control, exhausting to S/V SHA7, nominal capacity: 425 plastic automotive parts per hour.
- (p) One (1) surface coating booth known as HS13, installed in 1992, equipped with high volume, low pressure (HVLP) spray guns and dry filters for overspray control, exhausting to S/V SHS13, nominal capacity: 90 plastic automotive parts per hour.
- (q) One (1) surface coating booth known as HS14, installed in 1992, equipped with high volume, low pressure (HVLP) spray guns and dry filters for overspray control, exhausting to S/V SHS14, nominal capacity: 90 plastic automotive parts per hour.

- (r) One (1) surface coating booth known as HS15, installed in 1992, equipped with high volume, low pressure (HVLP) spray guns and dry filters for overspray control, exhausting to S/V SHS15, nominal capacity: 275 plastic automotive parts per hour.
- (s) One (1) surface coating booth known as HS17, installed in 1992, equipped with high volume, low pressure (HVLP) spray guns and dry filters for overspray control, exhausting to S/V SHS17, nominal capacity: 75 plastic automotive parts per hour.
- (t) One (1) surface coating booth known as HS18, installed in 1992, equipped with high volume, low pressure (HVLP) spray guns and dry filters for overspray control, exhausting to S/V SHS18, nominal capacity: 75 plastic automotive parts per hour.
- (u) One (1) surface coating booth known as HS19, installed in 1992, equipped with high volume, low pressure (HVLP) spray guns and dry filters for overspray control, exhausting to S/V SHS19, nominal capacity: 10,000 plastic automotive parts per hour.
- (v) One (1) surface coating booth known as ZJR, installed in 1994, equipped with high volume, low pressure (HVLP) spray guns and dry filters for overspray control, exhausting to S/V SZJR, nominal capacity: 180 plastic automotive parts per hour.
- (w) One (1) surface coating booth known as ZJM, installed in 1994, equipped with high volume, low pressure (HVLP) spray guns and dry filters for overspray control, exhausting to S/V SZJM, nominal capacity: 60 plastic automotive parts per hour.

A.3 Specifically Regulated Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-7-4(c)]  
[326 IAC 2-7-5(15)]

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This stationary source also includes the following insignificant activities which are specifically regulated, as defined in 326 IAC 2-7-1(21):

- (a) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) British thermal units per hour.
  - (1) Wheel Cover Room Drying Oven (1.0 million British thermal units per hour)
  - (2) Wheel Cover Room Curing Oven (5.0 million British thermal units per hour)
  - (3) Accent Room Curing Oven (1.5 million British thermal units per hour)
- (b) Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6. One (1) parts cleaner.
- (c) The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment, cutting torches, soldering equipment, welding equipment.
- (d) Other activities or categories with emissions equal to or less than the insignificant activity thresholds:
  - (1) Six (6) electrically heated mask washers using a non-VOC cleaner;
  - (2) Forty-four (44) electrically heated injection molding machines for injecting plastic pellets;

(3) Eighteen (18) portable plastic grinders; and

(4) One (1) fragmentizer.

A.4 Part 70 Permit Applicability [326 IAC 2-7-2]

This stationary source is required to have a Part 70 permit by 326 IAC 2-7-2 (Applicability) because:

- (a) It is a major source, as defined in 326 IAC 2-7-1(22);
- (b) It is a source in a source category designated by the United States Environmental Protection Agency (U.S. EPA) under 40 CFR 70.3 (Part 70 - Applicability).



## **SECTION B GENERAL CONDITIONS**

### **B.1 Permit No Defense [326 IAC 2-1-10] [IC 13]**

- (a) Indiana statutes from IC 13 and rules from 326 IAC, quoted in conditions in this permit, are those applicable at the time the permit was issued. The issuance or possession of this permit shall not alone constitute a defense against an alleged violation of any law, regulation or standard, except for the requirement to obtain a Part 70 permit under 326 IAC 2-7.
- (b) This prohibition shall not apply to alleged violations of applicable requirements for which the Commissioner has granted a permit shield in accordance with 326 IAC 2-1-3.2 or 326 IAC 2-7-15, as set out in this permit in the Section B condition entitled "Permit Shield."

### **B.2 Definitions [326 IAC 2-7-1]**

Terms in this permit shall have the definition assigned to such terms in the referenced regulation. In the absence of definitions in the referenced regulation, any applicable definitions found in IC 13-11, 326 IAC 1-2 and 326 IAC 2-7 shall prevail.

### **B.3 Permit Term [326 IAC 2-7-5(2)]**

This permit is issued for a fixed term of five (5) years from the effective date, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3.

### **B.4 Enforceability [326 IAC 2-7-7(a)]**

- (a) All terms and conditions in this permit, including any provisions designed to limit the source's potential to emit, are enforceable by IDEM.
- (b) Unless otherwise stated, terms and conditions of this permit, including any provisions to limit the source's potential to emit, are enforceable by the United States Environmental Protection Agency (U.S. EPA) and citizens under the Clean Air Act.

### **B.5 Termination of Right to Operate [326 IAC 2-7-10] [326 IAC 2-7-4(a)]**

The Permittee's right to operate this source terminates with the expiration of this permit unless a timely and complete renewal application is submitted at least nine (9) months prior to the date of expiration of the source's existing permit, consistent with 326 IAC 2-7-3 and 326 IAC 2-7-4(a).

### **B.6 Severability [326 IAC 2-7-5(5)]**

The provisions of this permit are severable; a determination that any portion of this permit is invalid shall not affect the validity of the remainder of the permit.

### **B.7 Property Rights or Exclusive Privilege [326 IAC 2-7-5(6)(D)]**

This permit does not convey any property rights of any sort, or any exclusive privilege.

### **B.8 Duty to Supplement and Provide Information [326 IAC 2-7-4(b)] [326 IAC 2-7-5(6)(E)]**

- (a) The Permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information to:

Indiana Department of Environmental Management  
Permits Branch, Office of Air Management  
100 North Senate Avenue, P. O. Box 6015  
Indianapolis, Indiana 46206-6015

- (b) The Permittee shall furnish to IDEM, OAM, within a reasonable time, any information that IDEM, OAM, may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit.
- (c) Upon request, the Permittee shall also furnish to IDEM, OAM, copies of records required to be kept by this permit. If the Permittee wishes to assert a claim of confidentiality over any of the furnished records, the Permittee must furnish such records to IDEM, OAM, along with a claim of confidentiality under 326 IAC 17. If requested by IDEM, OAM, or the U.S. EPA, to furnish copies of requested records directly to U. S. EPA, and if the Permittee is making a claim of confidentiality regarding the furnished records, then the Permittee must furnish such confidential records directly to the U.S. EPA along with a claim of confidentiality under 40 CFR 2, Subpart B.

B.9 Compliance with Permit Conditions [326 IAC 2-7-5(6)(A)] [326 IAC 2-7-5(6)(B)]

- (a) The Permittee must comply with all conditions of this permit. Noncompliance with any provisions of this permit constitutes a violation of the Clean Air Act and is grounds for:
  - (1) Enforcement action;
  - (2) Permit termination, revocation and reissuance, or modification; or
  - (3) Denial of a permit renewal application.
- (b) It shall not be a defense for the Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

B.10 Certification [326 IAC 2-7-4(f)] [326 IAC 2-7-6(1)]

- (a) Any application form, report, or compliance certification submitted under this permit shall contain certification by a responsible official of truth, accuracy, and completeness. This certification, and any other certification required under this permit, shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
- (b) One (1) certification shall be included, on the attached Certification Form, with each submittal.
- (c) A responsible official is defined at 326 IAC 2-7-1(34).

B.11 Annual Compliance Certification [326 IAC 2-7-6(5)]

- (a) The Permittee shall annually submit a compliance certification report which addresses the status of the source's compliance with the terms and conditions contained in this permit, including emission limitations, standards, or work practices. The certification shall cover the time period from January 1 to December 31 of the previous year, and shall be submitted in letter form no later than July 1 of each year to:

Indiana Department of Environmental Management  
Compliance Data Section, Office of Air Management  
100 North Senate Avenue, P. O. Box 6015  
Indianapolis, Indiana 46206-6015

and

United States Environmental Protection Agency, Region V  
Air and Radiation Division, Air Enforcement Branch - Indiana (AE-17J)  
77 West Jackson Boulevard  
Chicago, Illinois 60604-3590

- (b) The annual compliance certification report required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAM, on or before the date it is due.
- (c) The annual compliance certification report shall include the following:
  - (1) The identification of each term or condition of this permit that is the basis of the certification;
  - (2) The compliance status;
  - (3) Whether compliance was based on continuous or intermittent data;
  - (4) The methods used for determining compliance of the source, currently and over the reporting period consistent with 326 IAC 2-7-5(3);
  - (5) Any insignificant activity that has been added without a permit revision; and
  - (6) Such other facts, as specified in Sections D of this permit, as IDEM, OAM, may require to determine the compliance status of the source.

The submittal by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

B.12 Preventive Maintenance Plan [326 IAC 2-7-5(1),(3) and (13)] [326 IAC 2-7-6(1) and (6)]  
[326 IAC 1-6-3]

- (a) If required by specific condition(s) in Section D of this permit, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMP) within ninety (90) days after issuance of this permit, including the following information on each facility:
  - (1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;
  - (2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions;
  - (3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

If due to circumstances beyond its control, the PMP cannot be prepared and maintained within the above time frame, the Permittee may extend the date an additional ninety (90) days provided the Permittee notifies:

Indiana Department of Environmental Management  
Compliance Branch, Office of Air Management  
100 North Senate Avenue, P. O. Box 6015  
Indianapolis, Indiana 46206-6015

- (b) The Permittee shall implement the Preventive Maintenance Plans as necessary to ensure that lack of proper maintenance does not cause or contribute to a violation of any limitation on emissions or potential to emit.
- (c) PMP's shall be submitted to IDEM, OAM, upon request and shall be subject to review and approval by IDEM, OAM.

**B.13 Emergency Provisions [326 IAC 2-7-16]**

- (a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation, except as provided in 326 IAC 2-7-16.
- (b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a health-based or technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describe the following:
  - (1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;
  - (2) The permitted facility was at the time being properly operated;
  - (3) During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit;
  - (4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAM, within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

Telephone Number: 1-800-451-6027 (ask for Office of Air Management, Compliance Section), or  
Telephone Number: 317-233-5674 (ask for Compliance Section)  
Facsimile Number: 317-233-5967

- (5) For each emergency lasting one (1) hour or more, the Permittee submitted notice, either in writing or facsimile, of the emergency to:

Indiana Department of Environmental Management  
Compliance Branch, Office of Air Management  
100 North Senate Avenue, P. O. Box 6015  
Indianapolis, Indiana 46206-6015

within two (2) working days of the time when emission limitations were exceeded due to the emergency.

The notice fulfills the requirement of 326 IAC 2-7-5(3)(C)(ii) and must contain the following:

- (A) A description of the emergency;
- (B) Any steps taken to mitigate the emissions; and
- (C) Corrective actions taken.

The notification which shall be submitted by the Permittee does not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (6) The Permittee immediately took all reasonable steps to correct the emergency.
- (c) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.
- (d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions) for sources subject to this rule after the effective date of this rule. This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.
- (e) IDEM, OAM, may require that the Preventive Maintenance Plans required under 326 IAC 2-7-4-(c)(9) be revised in response to an emergency.
- (f) Failure to notify IDEM, OAM, by telephone or facsimile of an emergency lasting more than one (1) hour in compliance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-7 and any other applicable rules.
- (g) Operations may continue during an emergency only if the following conditions are met:
  - (1) If the emergency situation causes a deviation from a technology-based limit, the Permittee may continue to operate the affected emitting facilities during the emergency provided the Permittee immediately takes all reasonable steps to correct the emergency and minimize emissions.
  - (2) If an emergency situation causes a deviation from a health-based limit, the Permittee may not continue to operate the affected emissions facilities unless:
    - (A) The Permittee immediately takes all reasonable steps to correct the emergency situation and to minimize emissions; and
    - (B) Continued operation of the facilities is necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw materials of substantial economic value.

Any operation shall continue no longer than the minimum time required to prevent the situations identified in (g)(2)(B) of this condition.

**B.14 Permit Shield [326 IAC 2-7-15]**

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- (a) This condition provides a permit shield as addressed in 326 IAC 2-7-15.

- (b) This permit shall be used as the primary document for determining compliance with applicable requirements established by previously issued permits. Compliance with the conditions of this permit shall be deemed in compliance with any applicable requirements as of the date of permit issuance, provided that:
  - (1) The applicable requirements are included and specifically identified in this permit; or
  - (2) The permit contains an explicit determination or concise summary of a determination that other specifically identified requirements are not applicable.
- (c) If, after issuance of this permit, it is determined that the permit is in nonconformance with an applicable requirement that applied to the source on the date of permit issuance, including any term or condition from a previously issued construction or operation permit, IDEM, OAM, shall immediately take steps to reopen and revise this permit and issue a compliance order to the Permittee to ensure expeditious compliance with the applicable requirement until the permit is reissued. The permit shield shall continue in effect so long as the Permittee is in compliance with the compliance order.
- (d) No permit shield shall apply to any permit term or condition that is determined after issuance of this permit to have been based on erroneous information supplied in the permit application.
- (e) Nothing in 326 IAC 2-7-15 or in this permit shall alter or affect the following:
  - (1) The provisions of Section 303 of the Clean Air Act (emergency orders), including the authority of the U.S. EPA under Section 303 of the Clean Air Act;
  - (2) The liability of the Permittee for any violation of applicable requirements prior to or at the time of this permit's issuance;
  - (3) The applicable requirements of the acid rain program, consistent with Section 408(a) of the Clean Air Act; and
  - (4) The ability of U.S. EPA to obtain information from the Permittee under Section 114 of the Clean Air Act.
- (f) This permit shield is not applicable to any change made under 326 IAC 2-7-20(b)(2) (Sections 502(b)(10) of the Clean Air Act changes) and 326 IAC 2-7-20(c)(2) (trading based on State Implementation Plan (SIP) provisions).
- (g) This permit shield is not applicable to modifications eligible for group processing until after IDEM, OAM, has issued the modifications. [326 IAC 2-7-12(c)(7)]
- (h) This permit shield is not applicable to minor Part 70 permit modifications until after IDEM, OAM, has issued the modification. [326 IAC 2-7-12(b)(8)]

**B.15 Multiple Exceedances [326 IAC 2-7-5(1)(E)]**

Any exceedance of a permit limitation or condition contained in this permit, which occurs contemporaneously with an exceedance of an associated surrogate or operating parameter established to detect or assure compliance with that limit or condition, both arising out of the same act or occurrence, shall constitute a single potential violation of this permit.

**B.16 Deviations from Permit Requirements and Conditions [326 IAC 2-7-5(3)(C)(ii)]**

- (a) Deviations from any permit requirements (for emergencies see Section B - Emergency Provisions), the probable cause of such deviations, and any response steps or preventive measures taken shall be reported to:

Indiana Department of Environmental Management  
Compliance Branch, Office of Air Management  
100 North Senate Avenue, P.O. Box 6015  
Indianapolis, Indiana 46206-6015

within ten (10) calendar days from the date of the discovery of the deviation.

- (b) A deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit or a rule. It does not include:

- (1) An excursion from compliance monitoring parameters as identified in Section D of this permit unless tied to an applicable rule or limit; or
- (2) An emergency as defined in 326 IAC 2-7-1(12); or
- (3) Failure to implement elements of the Preventive Maintenance Plan unless lack of maintenance has caused or contributed to a deviation.
- (4) Failure to make or record information required by the compliance monitoring provisions of Section D unless such failure exceeds 5% of the required data in any calendar quarter.

A Permittee's failure to take the appropriate response step when an excursion of a compliance monitoring parameter has occurred is a deviation.

- (c) Written notification shall be submitted on the attached Emergency/Deviation Occurrence Reporting Form or its substantial equivalent. The notification does not need to be certified by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (d) Proper notice submittal under 326 IAC 2-7-16 satisfies the requirement of this subsection.

**B.17 Permit Modification, Reopening, Revocation and Reissuance, or Termination  
[326 IAC 2-7-5(6)(C)] [326 IAC 2-7-8(a)] [326 IAC 2-7-9]**

- (a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Part 70 permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-7-5(6)(C)]

- (b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if IDEM, OAM, determines any of the following:
  - (1) That this permit contains a material mistake.
  - (2) That inaccurate statements were made in establishing the emissions standards or other terms or conditions.
  - (3) That this permit must be revised or revoked to assure compliance with an applicable requirement. [326 IAC 2-7-9(a)(3)]
- (c) Proceedings by IDEM, OAM, to reopen and revise this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening and revision shall be made as expeditiously as practicable. [326 IAC 2-7-9(b)]
- (d) The reopening and revision of this permit, under 326 IAC 2-7-9(a), shall not be initiated before notice of such intent is provided to the Permittee by IDEM, OAM, at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAM, may provide a shorter time period in the case of an emergency. [326 IAC 2-7-9(c)]

**B.18 Permit Renewal [326 IAC 2-7-4]**

- (a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAM, and shall include the information specified in 326 IAC 2-7-4. Such information shall be included in the application for each emission unit at this source, except those emission units included on the trivial or insignificant activities list contained in 326 IAC 2-7-1(21) and 326 IAC 2-7-1(40).

Request for renewal shall be submitted to:

Indiana Department of Environmental Management  
Permits Branch, Office of Air Management  
100 North Senate Avenue, P.O. Box 6015  
Indianapolis, Indiana 46206-6015

- (b) Timely Submittal of Permit Renewal [326 IAC 2-7-4(a)(1)(D)]
  - (1) A timely renewal application is one that is:
    - (A) Submitted at least nine (9) months prior to the date of the expiration of this permit; and
    - (B) If the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAM, on or before the date it is due. [326 IAC 2-5-3]



- (2) If IDEM, OAM, upon receiving a timely and complete permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, including any permit shield provided in 326 IAC 2-7-15, until the renewal permit has been issued or denied.
- (c) Right to Operate After Application for Renewal [326 IAC 2-7-3]  
If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-7 until IDEM, OAM, takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified in writing by IDEM, OAM, any additional information identified as being needed to process the application.
- (d) United States Environmental Protection Agency Authority [326 IAC 2-7-8(e)]  
If IDEM, OAM, fails to act in a timely way on a Part 70 permit renewal, the U.S. EPA may invoke its authority under Section 505(e) of the Clean Air Act to terminate or revoke and reissue a Part 70 permit.

B.19 Permit Amendment or Modification [326 IAC 2-7-11] [326 IAC 2-7-12]

- (a) The Permittee must comply with the requirements of 326 IAC 2-7-11 or 326 IAC 2-7-12 whenever the Permittee seeks to amend or modify this permit.
- (b) Any application requesting an amendment or modification of this permit shall be submitted to:  
  
Indiana Department of Environmental Management  
Permits Branch, Office of Air Management  
100 North Senate Avenue, P.O. Box 6015  
Indianapolis, Indiana 46206-6015  
  
Any such application should be certified by the "responsible official" as defined by 326 IAC 2-7-1(34) only if a certification is required by the terms of the applicable rule
- (c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-7-11(c)(3)]

B.20 Permit Revision Under Economic Incentives and Other Programs [326 IAC 2-7-5(8)] [326 IAC 2-7-12 (b)(2)]

- (a) No Part 70 permit revision shall be required under any approved economic incentives, marketable Part 70 permits, emissions trading, and other similar programs or processes for changes that are provided for in a Part 70 permit.
- (b) Notwithstanding 326 IAC 2-7-12(b)(1)(D)(i) and 326 IAC 2-7-12(c)(1), minor Part 70 permit modification procedures may be used for Part 70 modifications involving the use of economic incentives, marketable Part 70 permits, emissions trading, and other similar approaches to the extent that such minor Part 70 permit modification procedures are explicitly provided for in the applicable State Implementation Plan (SIP) or in applicable requirements promulgated or approved by the U.S. EPA.

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Permit Reviewer: MES

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**B.21 Changes Under Section 502(b)(10) of the Clean Air Act [326 IAC 2-7-20(b)]**

The Permittee may make Section 502(b)(10) of the Clean Air Act changes (this term is defined at 326 IAC 2-7-1(36)) without a permit revision, subject to the constraint of 326 IAC 2-7-20(a) and the following additional conditions:

- (a) For each such change, the required written notification shall include a brief description of the change within the source, the date on which the change will occur, any change in emissions, and any permit term or condition that is no longer applicable as a result of the change.
- (b) The permit shield, described in 326 IAC 2-7-15, shall not apply to any change made under 326 IAC 2-7-20(b).

**B.22 Operational Flexibility [326 IAC 2-7-20]**

- (a) The Permittee may make any change or changes at the source that are described in 326 IAC 2-7-20(b), (c), or (e), without a prior permit revision, if each of the following conditions is met:

- (1) The changes are not modifications under any provision of Title I of the Clean Air Act;
- (2) Any approval required by 326 IAC 2-1 has been obtained;
- (3) The changes do not result in emissions which exceed the emissions allowable under this permit (whether expressed herein as a rate of emissions or in terms of total emissions);
- (4) The Permittee notifies the:

Indiana Department of Environmental Management  
Permits Branch, Office of Air Management  
100 North Senate Avenue, P. O. Box 6015  
Indianapolis, Indiana 46206-6015

and

United States Environmental Protection Agency, Region V  
Air and Radiation Division, Regulation Development Branch - Indiana (AR-18J)  
77 West Jackson Boulevard  
Chicago, Illinois 60604-3590

in advance of the change by written notification at least ten (10) days in advance of the proposed change. The Permittee shall attach every such notice to the Permittee's copy of this permit; and

- (5) The Permittee maintains records on-site which document, on a rolling five (5) year basis, all such changes and emissions trading that are subject to 326 IAC 2-7-20(b), (c), or (e) and makes such records available, upon reasonable request, for public review.

Such records shall consist of all information required to be submitted to IDEM, OAM, in the notices specified in 326 IAC 2-7-20(b), (c)(1), and (e)(2).

- (b) For each such Section 502(b)(10) of the Clean Air Act change, the required written notification shall include the following:
  - (1) A brief description of the change within the source;
  - (2) The date on which the change will occur;
  - (3) Any change in emissions; and
  - (4) Any permit term or condition that is no longer applicable as a result of the change.

The notification which shall be submitted by the Permittee does not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (c) Emission Trades [326 IAC 2-7-20(c)]  
The Permittee may trade increases and decreases in emissions in the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-7-20(c).
- (d) Alternative Operating Scenarios [326 IAC 2-7-20(d)]  
The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-7-5(9). No prior notification of IDEM, OAM, or U.S. EPA is required.
- (e) Backup fuel switches specifically addressed in, and limited under, Section D of this permit shall not be considered alternative operating scenarios. Therefore, the notification requirements of part (a) of this condition do not apply.

**B.23 Construction Permit Requirement [326 IAC 2]**

Except as allowed by Indiana P.L. 130-1996 Section 12, as amended by P.L. 244-1997, modification, construction, or reconstruction shall be approved as required by and in accordance with 326 IAC 2.

**B.24 Inspection and Entry [326 IAC 2-7-6(2)]**

Upon presentation of proper identification cards, credentials, and other documents as may be required by law, the Permittee shall allow IDEM, OAM, U.S. EPA, or an authorized representative to perform the following:

- (a) Enter upon the Permittee's premises where a Part 70 source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;
- (b) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
- (c) Inspect, at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;
- (d) Sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and

- (e) Utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements. [326 IAC 2-7-6(6)]
  - (1) The Permittee may assert a claim that, in the opinion of the Permittee, information removed or about to be removed from the source by IDEM, OAM, or an authorized representative, contains information that is confidential under IC 5-14-3-4(a). The claim shall be made in writing before or at the time the information is removed from the source. In the event that a claim of confidentiality is so asserted, neither IDEM, OAM, nor an authorized representative, may disclose the information unless and until IDEM, OAM, makes a determination under 326 IAC 17-1-7 through 326 IAC 17-1-9 that the information is not entitled to confidential treatment and that determination becomes final. [IC 5-14-3-4; IC 13-14-11-3; 326 IAC 17-1-7 through 326 IAC 17-1-9]
  - (2) The Permittee, and IDEM, OAM, acknowledge that the federal law applies to claims of confidentiality made by the Permittee with regard to information removed or about to be removed from the source by U.S. EPA. [40 CFR Part 2, Subpart B]

**B.25 Transfer of Ownership or Operation [326 IAC 2-1-6] [326 IAC 2-7-11]**  
Pursuant to 326 IAC 2-1-6 and 326 IAC 2-7-11:

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- (a) In the event that ownership of this source is changed, the Permittee shall notify IDEM, OAM, Permits Branch, within thirty (30) days of the change. Notification shall include a written agreement containing a specific date for transfer of permit responsibility, coverage, and liability between the Permittee and the new owner.
- (b) The written notification shall be sufficient to transfer the permit to the new owner by an administrative amendment pursuant to 326 IAC 2-7-11. The notification which shall be submitted by the Permittee does not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (c) IDEM, OAM, shall reserve the right to issue a new permit.

**B.26 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-7-5(7)]**

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- (a) The Permittee shall pay annual fees to IDEM, OAM, within thirty (30) calendar days of receipt of a billing. If the Permittee does not receive a bill from IDEM, OAM the applicable fee is due April 1 of each year.
- (b) Failure to pay may result in administrative enforcement action, or revocation of this permit.
- (c) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-0425 (ask for OAM, Technical Support and Modeling Section), to determine the appropriate permit fee.

**SECTION C**

**SOURCE OPERATION CONDITIONS**

Entire Source
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**Emission Limitations and Standards [326 IAC 2-7-5(1)]**

- C.1 Particulate Matter Emission Limitations For Processes with Process Weight Rates Less Than One Hundred (100) pounds per hour [326 IAC 6-3-2(c)]  
Pursuant to 326 IAC 6-3-2(c), the allowable particulate matter emissions rate from any process not already regulated by 326 IAC 6-1 or any New Source Performance Standard, and which has a maximum process weight rate less than 100 pounds per hour shall not exceed 0.551 pounds per hour.
- C.2 Opacity [326 IAC 5-1]  
Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-3 (Temporary Exemptions), opacity shall meet the following, unless otherwise stated in this permit:
- (a) Opacity shall not exceed an average of forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
  - (b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.
- C.3 Open Burning [326 IAC 4-1] [IC 13-17-9]  
The Permittee shall not open burn any material except as provided in 326 IAC 4-1-3, 326 IAC 4-1-4 or 326 IAC 4-1-6. The previous sentence notwithstanding, the Permittee may open burn in accordance with an open burning approval issued by the Commissioner under 326 IAC 4-1-4.1. 326 IAC 4-1-3 (a)(2)(A) and (B) are not federally enforceable.
- C.4 Incineration [326 IAC 4-2] [326 IAC 9-1-2]  
The Permittee shall not operate an incinerator or incinerate any waste or refuse except as provided in 326 IAC 4-2 and 326 IAC 9-1-2.
- C.5 Fugitive Dust Emissions [326 IAC 6-4]  
The Permittee shall not allow fugitive dust to escape beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located, in a manner that would violate 326 IAC 6-4 (Fugitive Dust Emissions). 326 IAC 6-4-2(4) is not federally enforceable.
- C.6 Operation of Equipment [326 IAC 2-7-6(6)]  
All air pollution control equipment listed in this permit and used to comply with an applicable requirement shall be operated at all times that the emission units vented to the control equipment are in operation.
- C.7 Stack Height [326 IAC 1-7]  
The Permittee shall comply with the applicable provisions of 326 IAC 1-7 (Stack Height Provisions), for all exhaust stacks through which a potential (before controls) of twenty-five (25) tons per year or more of particulate matter or sulfur dioxide is emitted.
- C.8 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61.140]

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- (a) Notification requirements apply to each owner or operator. If the combined amount of regulated asbestos containing material (RACM) to be stripped, removed or disturbed is at least 260 linear feet on pipes or 160 square feet on other facility components, or at least thirty-five (35) cubic feet on all facility components, then the notification requirements of 326 IAC 14-10-3 are mandatory. All demolition projects require notification whether or not asbestos is present.
- (b) The Permittee shall ensure that a written notification is sent on a form provided by the Commissioner at least ten (10) working days before asbestos stripping or removal work or before demolition begins, per 326 IAC 14-10-3, and shall update such notice as necessary, including, but not limited to the following:
- (1) When the amount of affected asbestos containing material increases or decreases by at least twenty percent (20%); or
- (2) If there is a change in the following:
- (A) Asbestos removal or demolition start date;
- (B) Removal or demolition contractor; or
- (C) Waste disposal site.
- (c) The Permittee shall ensure that the notice is postmarked or delivered according to the guidelines set forth in 326 IAC 14-10-3(2).
- (d) The notice to be submitted shall include the information enumerated in 326 IAC 14-10-3(3).
- All required notifications shall be submitted to:
- Indiana Department of Environmental Management  
Asbestos Section, Office of Air Management  
100 North Senate Avenue, P.O. Box 6015  
Indianapolis, Indiana 46206-6015
- The notifications do not require a certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (e) Procedures for Asbestos Emission Control  
The Permittee shall comply with the emission control procedures in 326 IAC 14-10-4 and 40 CFR 61.145(c). Per 326 IAC 14-10-4 emission control requirements are mandatory for any removal or disturbance of RACM greater than three (3) linear feet on pipes or three (3) square feet on any other facility components or a total of at least 0.75 cubic feet on all facility components.
- (f) Indiana Accredited Asbestos Inspector  
The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Accredited Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos. The requirement that the inspector be accredited is federally enforceable.

## **Testing Requirements [326 IAC 2-7-6(1)]**

### **C.9 Performance Testing [326 IAC 3-6]**

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- (a) All testing shall be performed according to the provisions of 326 IAC 3-6 (Source Sampling Procedures), except as provided elsewhere in this permit, utilizing methods approved by IDEM, OAM.

A test protocol, except as provided elsewhere in this permit, shall be submitted to:

Indiana Department of Environmental Management  
Compliance Data Section, Office of Air Management  
100 North Senate Avenue, P. O. Box 6015  
Indianapolis, Indiana 46206-6015

no later than thirty-five (35) days prior to the intended test date. The Permittee shall submit a notice of the actual test date to the above address so that it is received at least two weeks prior to the test date.

- (b) All test reports must be received by IDEM, OAM within forty-five (45) days after the completion of the testing. An extension may be granted by the Commissioner, if the source submits to IDEM, OAM, a reasonable written explanation within five (5) days prior to the end of the initial forty-five (45) day period.

The documentation submitted by the Permittee does not require certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

## **Compliance Monitoring Requirements [326 IAC 2-7-5(1)] [326 IAC 2-7-6(1)]**

### **C.10 Compliance Schedule [326 IAC 2-7-6(3)]**

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The Permittee:

- (a) Has certified that all facilities at this source are in compliance with all applicable requirements; and
- (b) Has submitted a statement that the Permittee will continue to comply with such requirements; and
- (c) Will comply with such applicable requirements that become effective during the term of this permit.

### **C.11 Compliance Monitoring [326 IAC 2-7-5(3)] [326 IAC 2-7-6(1)]**

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Compliance with applicable requirements shall be documented as required by this permit. The Permittee shall be responsible for installing any necessary equipment and initiating any required monitoring related to that equipment, no more than ninety (90) days after receipt of this permit. If due to circumstances beyond its control, this schedule cannot be met, the Permittee may extend compliance schedule an additional ninety (90) days provided the Permittee notifies:



Indiana Department of Environmental Management  
Compliance Branch, Office of Air Management  
100 North Senate Avenue, P. O. Box 6015  
Indianapolis, Indiana 46206-6015

in writing, prior to the end of the initial ninety (90) day compliance schedule, with full justification of the reasons for the inability to meet this date.

The notification which shall be submitted by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

**C.12 Monitoring Methods [326 IAC 3]**

Any monitoring or testing performed to meet the applicable requirements of this permit shall be performed according to the provisions of 326 IAC 3, 40 CFR 60, Appendix A, or other approved methods as specified in this permit.

**Corrective Actions and Response Steps [326 IAC 2-7-5] [326 IAC 2-7-6]**

**C.13 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]**

Pursuant to 326 IAC 1-5-2 (Emergency Reduction Plans; Submission):

- (a) The Permittee shall prepare written emergency reduction plans (ERPs) consistent with safe operating procedures.
- (b) These ERPs shall be submitted for approval to:

Indiana Department of Environmental Management  
Compliance Branch, Office of Air Management  
100 North Senate Avenue, P.O. Box 6015  
Indianapolis, Indiana 46206-6015

within ninety (90) days after the date of issuance of this permit.

The ERP does not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (c) If the ERP is disapproved by IDEM, OAM, the Permittee shall have an additional thirty (30) days to resolve the differences and submit an approvable ERP.
- (d) These ERPs shall state those actions that will be taken, when each episode level is declared, to reduce or eliminate emissions of the appropriate air pollutants.
- (e) Said ERPs shall also identify the sources of air pollutants, the approximate amount of reduction of the pollutants, and a brief description of the manner in which the reduction will be achieved.
- (f) Upon direct notification by IDEM, OAM, that a specific air pollution episode level is in effect, the Permittee shall immediately put into effect the actions stipulated in the approved ERP for the appropriate episode level. [326 IAC 1-5-3]

C.14 Risk Management Plan [326 IAC 2-7-5(12)] [40 CFR 68.215]

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If a regulated substance, subject to 40 CFR 68, is present in a process in more than the threshold quantity, 40 CFR 68 is an applicable requirement and the Permittee shall:

- (a) Submit:
  - (1) A compliance schedule for meeting the requirements of 40 CFR 68 by the date provided in 40 CFR 68.10(a); or
  - (2) As a part of the compliance certification submitted under 326 IAC 2-7-6(5), a certification statement that the source is in compliance with all the requirements of 40 CFR 68, including the registration and submission of a Risk Management Plan (RMP); and
  - (3) A verification to IDEM, OAM, that a RMP or a revised plan was prepared and submitted as required by 40 CFR 68.
- (b) Provide annual certification to IDEM, OAM, that the Risk Management Plan is being properly implemented.

All documents submitted pursuant to this condition shall include the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

C.15 Compliance Monitoring Plan - Failure to Take Response Steps [326 IAC 2-7-5][326 IAC 2-7-6]  
[326 IAC 1-6]

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- (a) The Permittee is required to implement a compliance monitoring plan to ensure that reasonable information is available to evaluate its continuous compliance with applicable requirements. This compliance monitoring plan is comprised of:
  - (1) This condition;
  - (2) The Compliance Determination Requirements in Section D of this permit;
  - (3) The Compliance Monitoring Requirements in Section D of this permit;
  - (4) The Record Keeping and Reporting Requirements in Section C (Monitoring Data Availability, General Record Keeping Requirements, and General Reporting Requirements) and in Section D of this permit; and
  - (5) A Compliance Response Plan (CRP) for each compliance monitoring condition of this permit. CRP's shall be submitted to IDEM, OAM upon request and shall be subject to review and approval by IDEM, OAM. The CRP shall be prepared within ninety (90) days after issuance of this permit by the Permittee and maintained on site, and is comprised of:
    - (A) Response steps that will be implemented in the event that compliance related information indicates that a response step is needed pursuant to the requirements of Section D of this permit; and

- (B) A time schedule for taking such response steps including a schedule for devising additional response steps for situations that may not have been predicted.
- (b) For each compliance monitoring condition of this permit, appropriate response steps shall be taken when indicated by the provisions of that compliance monitoring condition. Failure to perform the actions detailed in the compliance monitoring conditions or failure to take the response steps within the time prescribed in the Compliance Response Plan, shall constitute a violation of the permit unless taking the response steps set forth in the Compliance Response Plan would be unreasonable.
- (c) After investigating the reason for the excursion, the Permittee is excused from taking further response steps for any of the following reasons:
  - (1) The monitoring equipment malfunctioned, giving a false reading. This shall be an excuse from taking further response steps providing that prompt action was taken to correct the monitoring equipment.
  - (2) The Permittee has determined that the compliance monitoring parameters established in the permit conditions are technically inappropriate, has previously submitted a request for an administrative amendment to the permit, and such request has not been denied or;
  - (3) An automatic measurement was taken when the process was not operating; or
  - (4) The process has already returned to operating within "normal" parameters and no response steps are required.
- (d) Records shall be kept of all instances in which the compliance related information was not met and of all response steps taken. In the event of an emergency, the provisions of 326 IAC 2-7-16 (Emergency Provisions) requiring prompt corrective action to mitigate emissions shall prevail.

C.16 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-7-5] [326 IAC 2-7-6]

- (a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall take appropriate corrective actions. The Permittee shall submit a description of these corrective actions to IDEM, OAM, within thirty (30) days of receipt of the test results. The Permittee shall take appropriate action to minimize emissions from the affected facility while the corrective actions are being implemented. IDEM, OAM shall notify the Permittee within thirty (30) days, if the corrective actions taken are deficient. The Permittee shall submit a description of additional corrective actions taken to IDEM, OAM within thirty (30) days of receipt of the notice of deficiency. IDEM, OAM reserves the authority to use enforcement activities to resolve noncompliant stack tests.
- (b) A retest to demonstrate compliance shall be performed within one hundred twenty (120) days of receipt of the original test results. Should the Permittee demonstrate to IDEM, OAM that retesting in one-hundred and twenty (120) days is not practicable, IDEM, OAM may extend the retesting deadline. Failure of the second test to demonstrate compliance with the appropriate permit conditions may be grounds for immediate revocation of the permit to operate the affected facility.

The documents submitted pursuant to this condition do not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

**Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]**

**C.17 Emission Statement [326 IAC 2-7-5(3)(C)(iii)] [326 IAC 2-7-5(7)] [326 IAC 2-7-19(c)] [326 IAC 2-6]**

(a) The Permittee shall submit an annual emission statement certified pursuant to the requirements of 326 IAC 2-6, that must be received by July 1 of each year and must comply with the minimum requirements specified in 326 IAC 2-6-4. The annual emission statement shall meet the following requirements:

- (1) Indicate actual emissions of criteria pollutants from the source, in compliance with 326 IAC 2-6 (Emission Reporting);
- (2) Indicate actual emissions of other regulated pollutants from the source, for purposes of Part 70 fee assessment.

(b) The annual emission statement covers the twelve (12) consecutive month time period starting January 1 and ending December 31. The annual emission statement must be submitted to:

Indiana Department of Environmental Management  
Technical Support and Modeling Section, Office of Air Management  
100 North Senate Avenue, P. O. Box 6015  
Indianapolis, Indiana 46206-6015

(c) The annual emission statement required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAM, on or before the date it is due.

**C.18 Monitoring Data Availability [326 IAC 2-7-6(1)] [326 IAC 2-7-5(3)]**

(a) With the exception of performance tests conducted in accordance with Section C- Performance Testing, all observations, sampling, maintenance procedures, and record keeping, required as a condition of this permit shall be performed at all times the equipment is operating at normal representative conditions.

(b) As an alternative to the observations, sampling, maintenance procedures, and record keeping of subsection (a) above, when the equipment listed in Section D of this permit is not operating, the Permittee shall either record the fact that the equipment is shut down or perform the observations, sampling, maintenance procedures, and record keeping that would otherwise be required by this permit.

(c) If the equipment is operating but abnormal conditions prevail, additional observations and sampling should be taken with a record made of the nature of the abnormality.

- (d) If for reasons beyond its control, the operator fails to make required observations, sampling, maintenance procedures, or record keeping, reasons for this must be recorded.
- (e) At its discretion, IDEM may excuse such failure providing adequate justification is documented and such failures do not exceed five percent (5%) of the operating time in any quarter.
- (f) Temporary, unscheduled unavailability of staff qualified to perform the required observations, sampling, maintenance procedures, or record keeping shall be considered a valid reason for failure to perform the requirements stated in (a) above.

C.19 General Record Keeping Requirements [326 IAC 2-7-5(3)][326 IAC 2-7-6]

- (a) Records of all required monitoring data and support information shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be kept at the source location for a minimum of three (3) years and available upon the request of an IDEM, OAM, representative. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a written request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.
- (b) Records of required monitoring information shall include, where applicable:
  - (1) The date, place, and time of sampling or measurements;
  - (2) The dates analyses were performed;
  - (3) The company or entity performing the analyses;
  - (4) The analytic techniques or methods used;
  - (5) The results of such analyses; and
  - (6) The operating conditions existing at the time of sampling or measurement.
- (c) Support information shall include, where applicable:
  - (1) Copies of all reports required by this permit;
  - (2) All original strip chart recordings for continuous monitoring instrumentation;
  - (3) All calibration and maintenance records;
  - (4) Records of preventive maintenance shall be sufficient to demonstrate that improper maintenance did not cause or contribute to a violation of any limitation on emissions or potential to emit. To be relied upon subsequent to any such violation, these records may include, but are not limited to: work orders, parts inventories, and operator's standard operating procedures. Records of response steps taken shall indicate whether the response steps were performed in accordance with the Compliance Response Plan required by Section C - Compliance Monitoring Plan - Failure to take Response Steps, of this permit, and whether a deviation from a permit condition was reported. All records shall briefly describe what maintenance and response steps were taken and indicate who performed the tasks.

- (d) All record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance.

**C.20 General Reporting Requirements [326 IAC 2-7-5(3)(C)]**

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- (a) To affirm that the source has met all the compliance monitoring requirements stated in this permit the source shall submit a Quarterly Compliance Monitoring Report. Any deviation from the requirements and the date(s) of each deviation must be reported.
- (b) The report required in (a) of this condition and reports required by conditions in Section D of this permit shall be submitted to:  
  
Indiana Department of Environmental Management  
Compliance Data Section, Office of Air Management  
100 North Senate Avenue, P. O. Box 6015  
Indianapolis, Indiana 46206-6015
- (c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAM, on or before the date it is due.
- (d) Unless otherwise specified in this permit, any quarterly report shall be submitted within thirty (30) days of the end of the reporting period.
- (e) All instances of deviations as described in Section B- Deviations from Permit Requirements and Conditions must be clearly identified in such reports.
- (f) Any corrective actions or response steps taken as a result of each deviation must be clearly identified in such reports.
- (g) The first report shall cover the period commencing on the date of issuance of this permit and ending on the last day of the reporting period.

The documents submitted pursuant to this condition do not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

**Stratospheric Ozone Protection**

**C.21 Compliance with 40 CFR 82 and 326 IAC 22-1**

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Pursuant to 40 CFR 82 (Protection of Stratospheric Ozone), Subpart F, except as provided for motor vehicle air conditioners in Subpart B, the Permittee shall comply with the standards for recycling and emissions reduction:

- (a) Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156.
- (b) Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158.

- (c) Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161.

**SECTION D.1 FACILITY OPERATION CONDITIONS**

**Facility Description [326 IAC 2-7-5(15)]**

- (a) One (1) surface coating booth known as A, installed in 1989, equipped with high volume, low pressure (HVLP) spray guns and dry filters for overspray control, exhausting to S/V SA, nominal capacity: 950 plastic automotive parts per hour.
- (b) One (1) surface coating booth known as B, installed in 1989, equipped with high volume, low pressure (HVLP) spray guns and dry filters for overspray control, exhausting to S/V SB, nominal capacity: 750 plastic automotive parts per hour.
- (c) One (1) surface coating booth known as C, installed in 1989, equipped with high volume, low pressure (HVLP) spray guns and dry filters for overspray control, exhausting to S/V SC, nominal capacity: 750 plastic automotive parts per hour.
- (d) One (1) surface coating booth known as D, installed in 1989, equipped with high volume, low pressure (HVLP) spray guns and dry filters for overspray control, exhausting to S/V SD, nominal capacity: 750 plastic automotive parts per hour.
- (e) One (1) surface coating booth known as E, installed in 1989, equipped with high volume, low pressure (HVLP) spray guns and dry filters for overspray control, exhausting to S/V SE, nominal capacity: 750 plastic automotive parts per hour.
- (f) One (1) surface coating booth known as F, installed in 1989, equipped with high volume, low pressure (HVLP) spray guns and dry filters for overspray control, exhausting to S/V SF, nominal capacity: 375 plastic automotive parts per hour.
- (g) One (1) surface coating booth known as G, installed in 1989, equipped with high volume, low pressure (HVLP) spray guns and dry filters for overspray control, exhausting to S/V SG, nominal capacity: 375 plastic automotive parts per hour.
- (h) One (1) surface coating booth known as 9, installed prior to 1989, equipped with high volume, low pressure (HVLP) spray guns and dry filters for overspray control, exhausting to S/V S9, nominal capacity: 750 plastic automotive parts per hour.
- (i) One (1) surface coating booth known as 10, installed prior to 1989, equipped with high volume, low pressure (HVLP) spray guns and dry filters for overspray control, exhausting to S/V S10, nominal capacity: 375 plastic automotive parts per hour.
- (j) One (1) surface coating booth known as 11, installed prior to 1989, equipped with high volume, low pressure (HVLP) spray guns and dry filters for overspray control, exhausting to S/V S11, nominal capacity: 375 plastic automotive parts per hour.
- (k) One (1) surface coating booth known as 12, installed prior to 1989, equipped with high volume, low pressure (HVLP) spray guns and dry filters for overspray control, exhausting to S/V S12, nominal capacity: 375 plastic automotive parts per hour.
- (l) One (1) surface coating booth known as 13, installed prior to 1989, equipped with high volume, low pressure (HVLP) spray guns and dry filters for overspray control, exhausting to S/V S13, nominal capacity: 375 plastic automotive parts per hour.
- (m) One (1) surface coating booth known as HA5, installed in 1992, equipped with high volume, low pressure (HVLP) spray guns and dry filters for overspray control, exhausting to S/V SHA5, nominal capacity: 625 plastic automotive parts per hour.



**Facility Description [326 IAC 2-7-5(15)] Continued**

- (n) One (1) surface coating booth known as HA6, installed in 1992, equipped with high volume, low pressure (HVLP) spray guns and dry filters for overspray control, exhausting to S/V SHA6, nominal capacity: 275 plastic automotive parts per hour.
- (o) One (1) surface coating booth known as HA7, installed in 1992, equipped with high volume, low pressure (HVLP) spray guns and dry filters for overspray control, exhausting to S/V SHA7, nominal capacity: 425 plastic automotive parts per hour.
- (p) One (1) surface coating booth known as HS13, installed in 1992, equipped with high volume, low pressure (HVLP) spray guns and dry filters for overspray control, exhausting to S/V SHS13, nominal capacity: 90 plastic automotive parts per hour.
- (q) One (1) surface coating booth known as HS14, installed in 1992, equipped with high volume, low pressure (HVLP) spray guns and dry filters for overspray control, exhausting to S/V SHS14, nominal capacity: 90 plastic automotive parts per hour.
- (r) One (1) surface coating booth known as HS15, installed in 1992, equipped with high volume, low pressure (HVLP) spray guns and dry filters for overspray control, exhausting to S/V SHS15, nominal capacity: 275 plastic automotive parts per hour.
- (s) One (1) surface coating booth known as HS17, installed in 1992, equipped with high volume, low pressure (HVLP) spray guns and dry filters for overspray control, exhausting to S/V SHS17, nominal capacity: 75 plastic automotive parts per hour.
- (t) One (1) surface coating booth known as HS18, installed in 1992, equipped with high volume, low pressure (HVLP) spray guns and dry filters for overspray control, exhausting to S/V SHS18, nominal capacity: 75 plastic automotive parts per hour.
- (u) One (1) surface coating booth known as HS19, installed in 1992, equipped with high volume, low pressure (HVLP) spray guns and dry filters for overspray control, exhausting to S/V SHS19, nominal capacity: 10,000 plastic automotive parts per hour.
- (v) One (1) surface coating booth known as ZJR, installed in 1994, equipped with high volume, low pressure (HVLP) spray guns and dry filters for overspray control, exhausting to S/V SZJR, nominal capacity: 180 plastic automotive parts per hour.
- (w) One (1) surface coating booth known as ZJM, installed in 1994, equipped with high volume, low pressure (HVLP) spray guns and dry filters for overspray control, exhausting to S/V SZJM, nominal capacity: 60 plastic automotive parts per hour.

**Emission Limitations and Standards [326 IAC 2-7-5(1)]**

**D.1.1 Volatile Organic Compounds (VOC) [326 IAC 8-1-6]**

- (a) Pursuant to CP 145-5216-00033, issued on July 23, 1996, the VOC delivered to the applicators, including cleanup solvents, at coating booths 9, HS13 and HS17 shall each be limited to less than 25 tons per twelve (12) consecutive month period, each. These limits for the coating booths constructed after 1980 shall render the requirements of 326 IAC 8-1-6 not applicable for these booths.
- (b) Pursuant to CP 145-5216-00033, issued on July 23, 1996, the Best Available Control Technology (BACT) for this source shall be the following:
  - (1) The input of VOC to the applicators at paint line A, B, C, D, E, F and G shall not exceed 175 tons per twelve (12) consecutive months, total.

- (2) All twenty-three (23) paint booths shall use high volume, low pressure (HVLP) spray guns.
- (3) A thirty- (30-) day average of 6.0 pounds per gallon maximum VOC concentration in coatings used for all automotive parts, except wheel covers, shall be maintained.
- (4) A thirty- (30-) day average of 6.2 pounds per gallon maximum VOC concentration in coatings used for all wheel covers shall be maintained.
- (5) No solvent based cleaner shall be used for mask washing.

**D.1.2 PSD Minor Limit [326 IAC 2-2] [40 CFR 52.21]**

Pursuant to CP 145-5216-00033, issued on July 23, 1996, the VOC emissions at the source shall be limited to less than 250 tons per year. The total VOC usage at the twenty-three (23) surface coating facilities shall be limited to less than 231 tons of VOC, including coatings, dilution solvents, and cleaning solvents, per twelve (12) consecutive months. This usage limit is required to limit the potential to emit VOC from the entire source to less than 250 tons per twelve (12) consecutive months. Compliance with this limit makes 326 IAC 2-2 (Prevention of Significant Deterioration) and 40 CFR 52.21 not applicable.

**D.1.3 Particulate Matter (PM) [326 IAC 6-3-2(c)]**

The PM from the twenty-three (23) surface coating booths shall not exceed the pound per hour emission rate established as E in the following formula:

Interpolation and extrapolation of the data for the process weight rate up to sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

$$E = 4.10 P^{0.67} \quad \text{where } E = \text{rate of emission in pounds per hour; and} \\ P = \text{process weight rate in tons per hour}$$

**D.1.4 Preventive Maintenance Plan [326 IAC 2-7-5(13)]**

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for these facilities and any control devices.

**Compliance Determination Requirements**

**D.1.5 Testing Requirements [326 IAC 2-7-6(1),(6)]**

The Permittee is not required to test these facilities by this permit. However, IDEM may require compliance testing at any specific time when necessary to determine if the facilities are in compliance. If testing is required by IDEM, compliance with the PM limit specified in Condition D.1.3 shall be determined by a performance test conducted in accordance with Section C - Performance Testing.

**D.1.6 Volatile Organic Compounds (VOC)**

Compliance with the VOC content and usage limitations contained in Conditions D.1.1 and D.1.2 shall be determined pursuant to 326 IAC 8-1-4(a)(3) and 326 IAC 8-1-2(a) using formulation data supplied by the coating manufacturer. IDEM, OAM, reserves the authority to determine compliance using Method 24 in conjunction with the analytical procedures specified in 326 IAC 8-1-4.

**D.1.7 VOC Emissions**

Compliance with Conditions D.1.1(a), D.1.1(b)(1) and D.1.2 shall be demonstrated at the end of each month based on the total volatile organic compound usage for the most recent twelve (12) months.

**D.1.8 Particulate Matter (PM)**

The dry filters for PM control shall be in operation at all times when the twenty-three (23) surface coating booths are in operation.

**Compliance Monitoring Requirements [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]**

**D.1.9 Monitoring**

- (a) Daily inspections shall be performed to verify the placement, integrity and particle loading of the filters. To monitor the performance of the dry filters, weekly observations shall be made of the overspray from the surface coating booth stacks/vents (SHA5, SHA6, SHA7, SHS13, SHS14, SHS15, SHS17, SHS18, SHS19, S9, S10, S11, S12, S13, SZJR, SZJM, SA, SB, SC, SD, SE, SF, and SG) while one or more of the booths are in operation. The Compliance Response Plan shall be followed whenever a condition exists which should result in a response step. Failure to take response steps in accordance with Section C - Compliance Monitoring Plan - Failure to Take Response Steps, shall be considered a violation of this permit.
- (b) Monthly inspections shall be performed of the coating emissions from the stack and the presence of overspray on the rooftops and the nearby ground. The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when a noticeable change in overspray emission, or evidence of overspray emission is observed. The Compliance Response Plan shall be followed whenever a condition exists which should result in a response step. Failure to take response steps in accordance with Section C - Compliance Monitoring Plan - Failure to Take Response Steps, shall be considered a violation of this permit.
- (c) Additional inspections and preventive measures shall be performed as prescribed in the Preventive Maintenance Plan.

**Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]**

**D.1.10 Record Keeping Requirements**

- (a) To document compliance with Conditions D.1.1 and D.1.2, the Permittee shall maintain records in accordance with (1) through (6) below. Records maintained for (1) through (6) shall be taken monthly and shall be complete and sufficient to establish compliance with the VOC usage limits and the VOC emission limits established in Conditions D.1.1 and D.1.2.
  - (1) The amount and VOC content of each coating material and solvent used. Records shall include purchase orders, invoices, and material safety data sheets (MSDS) necessary to verify the type and amount used. Solvent usage records shall differentiate between those added to coatings and those used as cleanup solvents;
  - (2) A log of the dates of use;
  - (3) The volume weighted VOC content of the coatings used for each month;
  - (4) The cleanup solvent usage for each month;

- (5) The total VOC usage for each month; and
- (6) The weight of VOCs emitted for each compliance period.
- (b) To document compliance with Condition D.1.8 and D.1.9, the Permittee shall maintain a log of daily overspray observations, weekly and monthly inspections, and those additional inspections prescribed by the Preventive Maintenance Plan.
- (c) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

**D.1.11 Reporting Requirements**

A quarterly summary of the information to document compliance with Conditions D.1.1 and D.1.2 shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported.

## SECTION D.2

## FACILITY OPERATION CONDITIONS

### Facility Description [326 IAC 2-7-5(15)] Insignificant Activities

- (a) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) British thermal units per hour.
  - (1) Wheel Cover Room Drying Oven (1.0 million British thermal units per hour)
  - (2) Wheel Cover Room Curing Oven (5.0 million British thermal units per hour)
  - (3) Accent Room Curing Oven (1.5 million British thermal units per hour)
- (b) Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6. One (1) parts cleaner.
- (c) The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment, cutting torches, soldering equipment, welding equipment.
- (d) Other activities or categories with emissions equal to or less than the insignificant activity thresholds:
  - (1) Six (6) electrically heated mask washers using a non-VOC cleaner;
  - (2) Forty-four (44) electrically heated injection molding machines for injecting plastic pellets;
  - (3) Eighteen (18) portable plastic grinders; and
  - (4) One (1) fragmentizer.

### Emission Limitations and Standards [326 IAC 2-7-5(1)]

#### D.2.1 Particulate Matter (PM) [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2(c) (Process Operations), the allowable PM emission rate from the wheel cover room drying oven, wheel cover room curing oven, and accent room curing oven, brazing, cutting, soldering, welding, forty-four (44) electrically heated injection molding machines, eighteen (18) portable plastic grinders, and one (1) fragmentizer shall not exceed allowable PM emission rate based on the following equation:

Interpolation and extrapolation of the data for the process weight rate up to 60,000 pounds per hour shall be accomplished by use of the equation:

$$E = 4.10 P^{0.67}$$

where E = rate of emission in pounds per hour; and  
P = process weight rate in tons per hour

#### D.2.2 Volatile Organic Compounds (VOC) [326 IAC 8-3-2]

Pursuant to 326 IAC 8-3-2 (Cold Cleaner Operations), the owner or operator of the one (1) parts cleaner shall:

- (a) Equip the cleaner with a cover;
- (b) Equip the cleaner with a facility for draining cleaned parts;
- (c) Close the degreaser cover whenever parts are not being handled in the cleaner;
- (d) Drain cleaned parts for at least fifteen (15) seconds or until dripping ceases;

- (e) Provide a permanent, conspicuous label summarizing the operation requirements;
- (f) Store waste solvent only in covered containers and not dispose of waste solvent or transfer it to another party, in such a manner that greater than twenty percent (20%) of the waste solvent (by weight) can evaporate into the atmosphere.

**D.2.3 Volatile Organic Compounds (VOC) [326 IAC 8-1-6]**

Pursuant to CP 145-5216-00033, issued on July 23, 1996, and as stated in Condition D.1.1 of this permit, the Best Available Control Technology (BACT) for this source includes using no solvent based cleaner for mask washing.

**Compliance Determination Requirements**

**D.2.4 Testing Requirements [326 IAC 2-7-6(1),(6)]**

The Permittee is not required to test these facilities by this permit. However, IDEM may require compliance testing at any specific time when necessary to determine if the facilities are in compliance. If testing is required by IDEM, compliance with the PM limits specified in Condition D.2.1 shall be determined by a performance test conducted in accordance with Section C - Performance Testing.

**Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]**

**D.2.5 Record Keeping Requirements**

To document compliance with Condition D.2.3, the Permittee shall maintain records to demonstrate that no solvent based cleaners for mask washing. Records shall include purchase orders, invoices, and material safety data sheets (MSDS) necessary to verify compliance with Condition D.2.3. All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR MANAGEMENT  
COMPLIANCE DATA SECTION**

**PART 70 OPERATING PERMIT  
CERTIFICATION**

Source Name: Textron Automotive Company  
Source Address: 2782 East U.S. Highway 52, Morristown, Indiana 46161  
Mailing Address: P.O. Box 559, Morristown, Indiana 46161  
Part 70 Permit No.: T 145-7514-00033

**This certification shall be included when submitting monitoring, testing reports/results or other documents as required by this permit.**

Please check what document is being certified:

- 9 Annual Compliance Certification Letter
- 9 Test Result (specify) \_\_\_\_\_
- 9 Report (specify) \_\_\_\_\_
- 9 Notification (specify) \_\_\_\_\_
- 9 Other (specify) \_\_\_\_\_

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

Signature:

Printed Name:

Title/Position:

Date:

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR MANAGEMENT  
COMPLIANCE DATA SECTION  
P.O. Box 6015  
100 North Senate Avenue  
Indianapolis, Indiana 46206-6015  
Phone: 317-233-5674  
Fax: 317-233-5967**

**PART 70 OPERATING PERMIT  
EMERGENCY/DEVIATION OCCURRENCE REPORT**

Source Name: Textron Automotive Company  
Source Address: 2782 East U.S. Highway 52, Morristown, Indiana 46161  
Mailing Address: P.O. Box 559, Morristown, Indiana 46161  
Part 70 Permit No.: T 145-7514-00033

**This form consists of 2 pages**

**Page 1 of 2**

Check either No. 1 or No.2	
<b>9</b>	1. This is an emergency as defined in 326 IAC 2-7-1(12) C The Permittee must notify the Office of Air Management (OAM), within four <b>(4)</b> business hours (1-800-451-6027 or 317-233-5674, ask for Compliance Section); and C The Permittee must submit notice in writing or by facsimile within two <b>(2)</b> days (Facsimile Number: 317-233-5967), and follow the other requirements of 326 IAC 2-7-16
<b>9</b>	2. This is a deviation, reportable per 326 IAC 2-7-5(3)(c) C The Permittee must submit notice in writing within ten <b>(10)</b> calendar days

If any of the following are not applicable, mark N/A

Facility/Equipment/Operation:
Control Equipment:
Permit Condition or Operation Limitation in Permit:
Description of the Emergency/Deviation:
Describe the cause of the Emergency/Deviation:

If any of the following are not applicable, mark N/A

**Page 2 of 2**



Date/Time Emergency/Deviation started:
Date/Time Emergency/Deviation was corrected:
Was the facility being properly operated at the time of the emergency/deviation?    Y    N Describe:
Type of Pollutants Emitted: TSP, PM-10, SO <sub>2</sub> , VOC, NO <sub>x</sub> , CO, Pb, other:
Estimated amount of pollutant(s) emitted during emergency/deviation:
Describe the steps taken to mitigate the problem:
Describe the corrective actions/response steps taken:
Describe the measures taken to minimize emissions:
If applicable, describe the reasons why continued operation of the facilities are necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw materials of substantial economic value:

Form Completed by: \_\_\_\_\_

Title / Position: \_\_\_\_\_

Date: \_\_\_\_\_

Phone: \_\_\_\_\_

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR MANAGEMENT  
COMPLIANCE DATA SECTION**

**Part 70 Quarterly Report**

Source Name: Textron Automotive Company  
Source Address: 2782 East U.S. Highway 52, Morristown, Indiana 46161  
Mailing Address: P.O. Box 559, Morristown, Indiana 46161  
Part 70 Permit No.: T 145-7514-00033  
Facility: Surface coating booth 9  
Parameter: VOC usage  
Limit: Less than 25 tons per twelve (12) consecutive months

YEAR: \_\_\_\_\_

Month	Column 1	Column 2	Column 1 + Column 2
	This Month	Previous 11 Months	12 Month Total

9 No deviation occurred in this quarter.

9 Deviation/s occurred in this quarter.

Deviation has been reported on: \_\_\_\_\_

Submitted by: \_\_\_\_\_

Title / Position: \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Phone: \_\_\_\_\_

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR MANAGEMENT  
COMPLIANCE DATA SECTION**

**Part 70 Quarterly Report**

Source Name: Textron Automotive Company  
Source Address: 2782 East U.S. Highway 52, Morristown, Indiana 46161  
Mailing Address: P.O. Box 559, Morristown, Indiana 46161  
Part 70 Permit No.: T 145-7514-00033  
Facility: Surface coating booth HS13  
Parameter: VOC usage  
Limit: Less than 25 tons per twelve (12) consecutive months

YEAR: \_\_\_\_\_

Month	Column 1	Column 2	Column 1 + Column 2
	This Month	Previous 11 Months	12 Month Total

9 No deviation occurred in this quarter.

9 Deviation/s occurred in this quarter.

Deviation has been reported on: \_\_\_\_\_

Submitted by: \_\_\_\_\_

Title / Position: \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Phone: \_\_\_\_\_

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR MANAGEMENT  
COMPLIANCE DATA SECTION**

**Part 70 Quarterly Report**

Source Name: Textron Automotive Company  
Source Address: 2782 East U.S. Highway 52, Morristown, Indiana 46161  
Mailing Address: P.O. Box 559, Morristown, Indiana 46161  
Part 70 Permit No.: T 145-7514-00033  
Facility: Surface coating booth HS17  
Parameter: VOC usage  
Limit: Less than 25 tons per twelve (12) consecutive months

YEAR: \_\_\_\_\_

Month	Column 1	Column 2	Column 1 + Column 2
	This Month	Previous 11 Months	12 Month Total

9 No deviation occurred in this quarter.

9 Deviation/s occurred in this quarter.

Deviation has been reported on: \_\_\_\_\_

Submitted by: \_\_\_\_\_

Title / Position: \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Phone: \_\_\_\_\_

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR MANAGEMENT  
COMPLIANCE DATA SECTION**

**Part 70 Quarterly Report**

Source Name: Textron Automotive Company  
Source Address: 2782 East U.S. Highway 52, Morristown, Indiana 46161  
Mailing Address: P.O. Box 559, Morristown, Indiana 46161  
Part 70 Permit No.: T 145-7514-00033  
Facility: Paint line A, B, C, D, E, F and G  
Parameter: VOC usage  
Limit: 175 tons per twelve (12) consecutive months, total

YEAR: \_\_\_\_\_

Month	Column 1	Column 2	Column 1 + Column 2
	This Month	Previous 11 Months	12 Month Total

9 No deviation occurred in this quarter.

9 Deviation/s occurred in this quarter.

Deviation has been reported on: \_\_\_\_\_

Submitted by: \_\_\_\_\_

Title / Position: \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Phone: \_\_\_\_\_

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR MANAGEMENT  
COMPLIANCE DATA SECTION**

**Part 70 Quarterly Report**

Source Name: Textron Automotive Company  
Source Address: 2782 East U.S. Highway 52, Morristown, Indiana 46161  
Mailing Address: P.O. Box 559, Morristown, Indiana 46161  
Part 70 Permit No.: T 145-7514-00033  
Facility: Twenty-three (23) surface coating booths  
Parameter: VOC concentration in coatings used for all automobile parts except wheel covers  
Limit: 6.0 pounds of VOC per gallon of coating

YEAR: \_\_\_\_\_

Month	Average VOC Concentration

9 No deviation occurred in this quarter.

9 Deviation/s occurred in this quarter.

Deviation has been reported on: \_\_\_\_\_

Submitted by: \_\_\_\_\_

Title / Position: \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Phone: \_\_\_\_\_

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR MANAGEMENT  
COMPLIANCE DATA SECTION**

**Part 70 Quarterly Report**

Source Name: Textron Automotive Company  
Source Address: 2782 East U.S. Highway 52, Morristown, Indiana 46161  
Mailing Address: P.O. Box 559, Morristown, Indiana 46161  
Part 70 Permit No.: T 145-7514-00033  
Facility: Twenty-three (23) surface coating booths  
Parameter: VOC concentration in coatings used for wheel covers  
Limit: 6.2 pounds of VOC per gallon of coating

YEAR: \_\_\_\_\_

Month	Average VOC Concentration

9 No deviation occurred in this quarter.

9 Deviation/s occurred in this quarter.

Deviation has been reported on: \_\_\_\_\_

Submitted by: \_\_\_\_\_

Title / Position: \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Phone: \_\_\_\_\_

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR MANAGEMENT  
COMPLIANCE DATA SECTION**

**Part 70 Quarterly Report**

Source Name: Textron Automotive Company  
Source Address: 2782 East U.S. Highway 52, Morristown, Indiana 46161  
Mailing Address: P.O. Box 559, Morristown, Indiana 46161  
Part 70 Permit No.: T 145-7514-00033  
Facility: Twenty-three (23) surface coating booths  
Parameter: VOC usage  
Limit: 231 tons per twelve (12) consecutive months

YEAR: \_\_\_\_\_

Month	Column 1	Column 2	Column 1 + Column 2
	This Month	Previous 11 Months	12 Month Total

9 No deviation occurred in this quarter.

9 Deviation/s occurred in this quarter.

Deviation has been reported on: \_\_\_\_\_

Submitted by: \_\_\_\_\_

Title / Position: \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Phone: \_\_\_\_\_



**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR MANAGEMENT  
COMPLIANCE DATA SECTION**

**PART 70 OPERATING PERMIT  
QUARTERLY COMPLIANCE MONITORING REPORT**

Source Name: Textron Automotive Company  
Source Address: 2782 East U.S. Highway 52, Morristown, Indiana 46161  
Mailing Address: P.O. Box 559, Morristown, Indiana 46161  
Part 70 Permit No.: T 145-7514-00033

Months: \_\_\_\_\_ to \_\_\_\_\_ Year: \_\_\_\_\_

This report is an affirmation that the source has met all the compliance monitoring requirements stated in this permit. This report shall be submitted quarterly. Any deviation from the compliance monitoring requirements and the date(s) of each deviation must be reported. Additional pages may be attached if necessary. This form can be supplemented by attaching the Emergency/Deviation Occurrence Report. If no deviations occurred, please specify in the box marked "No deviations occurred this reporting period".

**9 NO DEVIATIONS OCCURRED THIS REPORTING PERIOD**

**9 THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD.**

<b>Compliance Monitoring Requirement</b> (e.g. Permit Condition D.1.3)	<b>Number of Deviations</b>	<b>Date of Each Deviation</b>

Form Completed By: \_\_\_\_\_  
Title/Position: \_\_\_\_\_  
Date: \_\_\_\_\_  
Phone: \_\_\_\_\_

Attach a signed certification to complete this report.

## **Indiana Department of Environmental Management Office of Air Management**

### **Technical Support Document (TSD) for a Part 70 Operating Permit**

#### **Source Background and Description**

<b>Source Name:</b>	<b>Textron Automotive Company</b>
<b>Source Location:</b>	<b>2782 East U.S. Highway 52, Morristown, Indiana 46161</b>
<b>County:</b>	<b>Shelby</b>
<b>SIC Code:</b>	<b>3714</b>
<b>Operation Permit No.:</b>	<b>T 145-7514-00033</b>
<b>Permit Reviewer:</b>	<b>CarrieAnn Ortolani</b>

The Office of Air Management (OAM) has reviewed a Part 70 permit application from Textron Automotive Company relating to the operation of a plastic automotive parts manufacturing and finishing operation.

#### **Permitted Emission Units and Pollution Control Equipment**

The source consists of the following permitted emission units and pollution control devices:

- (a) One (1) surface coating booth known as A, installed in 1989, equipped with high volume, low pressure (HVLP) spray guns and dry filters for overspray control, exhausting to S/V SA, capacity: 950 plastic automotive parts per hour.
- (b) One (1) surface coating booth known as B, installed in 1989, equipped with high volume, low pressure (HVLP) spray guns and dry filters for overspray control, exhausting to S/V SB, capacity: 750 plastic automotive parts per hour.
- (c) One (1) surface coating booth known as C, installed in 1989, equipped with high volume, low pressure (HVLP) spray guns and dry filters for overspray control, exhausting to S/V SC, capacity: 750 plastic automotive parts per hour.
- (d) One (1) surface coating booth known as D, installed in 1989, equipped with high volume, low pressure (HVLP) spray guns and dry filters for overspray control, exhausting to S/V SD, capacity: 750 plastic automotive parts per hour.
- (e) One (1) surface coating booth known as E, installed in 1989, equipped with high volume, low pressure (HVLP) spray guns and dry filters for overspray control, exhausting to S/V SE, capacity: 750 plastic automotive parts per hour.
- (f) One (1) surface coating booth known as F, installed in 1989, equipped with high volume, low pressure (HVLP) spray guns and dry filters for overspray control, exhausting to S/V SF, capacity: 375 plastic automotive parts per hour.
- (g) One (1) surface coating booth known as G, installed in 1989, equipped with high volume, low pressure (HVLP) spray guns and dry filters for overspray control, exhausting to S/V SG, capacity: 375 plastic automotive parts per hour.

- (h) One (1) surface coating booth known as 9, installed prior to 1989, equipped with high volume, low pressure (HVLP) spray guns and dry filters for overspray control, exhausting to S/V S9, capacity: 750 plastic automotive parts per hour.
- (i) One (1) surface coating booth known as 10, installed prior to 1989, equipped with high volume, low pressure (HVLP) spray guns and dry filters for overspray control, exhausting to S/V S10, capacity: 375 plastic automotive parts per hour.
- (j) One (1) surface coating booth known as 11, installed prior to 1989, equipped with high volume, low pressure (HVLP) spray guns and dry filters for overspray control, exhausting to S/V S11, capacity: 375 plastic automotive parts per hour.
- (k) One (1) surface coating booth known as 12, installed prior to 1989, equipped with high volume, low pressure (HVLP) spray guns and dry filters for overspray control, exhausting to S/V S12, capacity: 375 plastic automotive parts per hour.
- (l) One (1) surface coating booth known as 13, installed prior to 1989, equipped with high volume, low pressure (HVLP) spray guns and dry filters for overspray control, exhausting to S/V S13, capacity: 375 plastic automotive parts per hour.
- (m) One (1) surface coating booth known as HA5, installed in 1992, equipped with high volume, low pressure (HVLP) spray guns and dry filters for overspray control, exhausting to S/V SHA5, capacity: 625 plastic automotive parts per hour.
- (n) One (1) surface coating booth known as HA6, installed in 1992, equipped with high volume, low pressure (HVLP) spray guns and dry filters for overspray control, exhausting to S/V SHA6, capacity: 275 plastic automotive parts per hour.
- (o) One (1) surface coating booth known as HA7, installed in 1992, equipped with high volume, low pressure (HVLP) spray guns and dry filters for overspray control, exhausting to S/V SHA7, capacity: 425 plastic automotive parts per hour.
- (p) One (1) surface coating booth known as HS13, installed in 1992, equipped with high volume, low pressure (HVLP) spray guns and dry filters for overspray control, exhausting to S/V SHS13, capacity: 90 plastic automotive parts per hour.
- (q) One (1) surface coating booth known as HS14, installed in 1992, equipped with high volume, low pressure (HVLP) spray guns and dry filters for overspray control, exhausting to S/V SHS14, capacity: 90 plastic automotive parts per hour.
- (r) One (1) surface coating booth known as HS15, installed in 1992, equipped with high volume, low pressure (HVLP) spray guns and dry filters for overspray control, exhausting to S/V SHS15, capacity: 275 plastic automotive parts per hour.
- (s) One (1) surface coating booth known as HS17, installed in 1992, equipped with high volume, low pressure (HVLP) spray guns and dry filters for overspray control, exhausting to S/V SHS17, capacity: 75 plastic automotive parts per hour.
- (t) One (1) surface coating booth known as HS18, installed in 1992, equipped with high volume, low pressure (HVLP) spray guns and dry filters for overspray control, exhausting to S/V SHS18, capacity: 75 plastic automotive parts per hour.

- (u) One (1) surface coating booth known as HS19, installed in 1992, equipped with high volume, low pressure (HVLP) spray guns and dry filters for overspray control, exhausting to S/V SHS19, capacity: 10,000 plastic automotive parts per hour.
- (v) One (1) surface coating booth known as ZJR, installed in 1994, equipped with high volume, low pressure (HVLP) spray guns and dry filters for overspray control, exhausting to S/V SZJR, capacity: 180 plastic automotive parts per hour.
- (w) One (1) surface coating booth known as ZJM, installed in 1994, equipped with high volume, low pressure (HVLP) spray guns and dry filters for overspray control, exhausting to S/V SZJM, capacity: 60 plastic automotive parts per hour.

#### **Unpermitted Emission Units and Pollution Control Equipment Requiring ENSR**

There are no unpermitted facilities operating at this source during this review process.

#### **New Emission Units and Pollution Control Equipment Requiring ENSR**

There are no new facilities to be reviewed under the ENSR process.

#### **Insignificant Activities**

The source also consists of the following insignificant activities, as defined in 326 IAC 2-7-1(21):

- (a) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) British thermal units per hour.
  - (1) Wheel Cover Room Drying Oven (1.0 million British thermal units per hour)
  - (2) Wheel Cover Room Curing Oven (5.0 million British thermal units per hour)
  - (3) Accent Room Curing Oven (1.5 million British thermal units per hour)
  - (4) Wheel Cover Room Parts Washer (4.0 million British thermal units per hour)
  - (5) Four (4) Air Make-up Units (5.0 million British thermal units per hour, each)
  - (6) Air Make-up Unit (6.6 million British thermal units per hour)
  - (7) Air Make-up Unit (3.2 million British thermal units per hour)
  - (8) Nine (9) space heaters (0.12 million British thermal units per hour, each)
  - (9) Four (4) space heaters (0.32 million British thermal units per hour, each)
- (b) The following VOC and HAP storage containers:
  - (1) Storage tanks with capacity less than or equal to 1,000 gallons and annual throughputs less than 12,000 gallons. One (1) waste solvent storage tank (320 gallons capacity) and one (1) diesel tank (275 gallons capacity).

- (2) Vessels storing lubricating oil, hydraulic oils, machining oils, and machining fluids.
- (c) Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6. One (1) Safety Kleen parts cleaner - model 30.3.
- (d) The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment, cutting torches, soldering equipment, welding equipment.
- (e) Infrared cure equipment.
- (f) Activities associated with the treatment of wastewater streams with an oil and grease content less than or equal to one percent (1%) by volume.
- (g) Noncontact cooling tower systems with forced and induced draft cooling tower system not regulated under a NESHAP.
- (h) Replacement or repair of electrostatic precipitators, bags in baghouses and filters in other air filtration equipment.
- (i) Paved and unpaved roads and parking lots with public access.
- (j) Stationary fire pumps. One (1) emergency diesel fire pump.
- (k) Purge double block and bleed valves.
- (l) Other activities or categories with emissions equal to or less than the insignificant activity thresholds:
  - (1) Six (6) electrically heated mask washers using a non-VOC cleaner;
  - (2) Forty-four (44) electrically heated injection molding machines for injecting plastic pellets;
  - (3) Eighteen (18) portable plastic grinders;
  - (4) One (1) fragmentizer;
  - (5) Three (3) silos for raw material (plastic) storage;
  - (6) One (1) compressed air blowdown station;
  - (7) One (1) quality assurance laboratory consisting of two (2) hoods, two (2) ovens, environmental test chambers, one (1) flame spectrophotometer, one (1) surface tensiometer, and one (1) lab-scale plater;
  - (8) One (1) used oil storage tank, capacity: 3,500 gallons;
  - (9) Four (4) hydraulic oil tanks, one (1) with a capacity of 1,000 gallons and three (3) with a capacity of 500 gallons; and
  - (10) Two (2) propane tanks, capacity: 1,000 gallons each.

### Existing Approvals

The source has been operating under previous approvals including, but not limited to, the following: list permits, registrations, modifications, exemptions, etc.

- (a) PC (73) 1764, issued on September 2, 1989;
- (b) CP 145-3689, issued on November 10, 1994; and
- (c) CP 145-5216-00033, issued on July 23 1996, which consolidates the previously issued permits.

All conditions from previous approvals were incorporated into this Part 70 permit except the following:

CP 145-5216-00033, issued on July 23 1996

- (a) Operation Condition 10: That the decorative chromium plating facility shall comply with 40 CFR Part 63.340 - 63.347, Subpart N (National Emission Standards for Chromium Emissions from Hard and Decorative Chromium Electroplating and Chromium Anodizing Tanks).

Reason not incorporated: The chromium electroplating facilities have been removed from this source.

- (b) Operation Condition 7: That pursuant to 326 IAC 6-2-3(e), the particulate matter (PM) emissions from the 13.5 million Btu/hr and 5.5 million Btu/hr boiler shall each be limited to 0.6 pounds/mmBtu heat input.

Reason not incorporated: The one (1) natural gas-fired boiler known as B1, exhausting to S/V SB1, rated at 13.5 million British thermal units per hour, and the one (1) natural gas-fired boiler rated at 5.5 million British thermal units per hour, both installed in 1977, have been removed from this source.

### Enforcement Issue

There are no enforcement actions pending.

### Recommendation

The staff recommends to the Commissioner that the Part 70 permit be approved. This recommendation is based on the following facts and conditions:

Unless otherwise stated, information used in this review was derived from the application and additional information submitted by the applicant.

An administratively complete Part 70 permit application for the purposes of this review was received on December 12, 1996. Additional information was received on September 28, 1998 and March 22, 1999.

A notice of completeness letter was mailed to the source on January 17, 1997.

## Emission Calculations

See Appendix A of this document for detailed emissions calculations (pages 1 through 15 of 15).

## Potential Emissions

Pursuant to 326 IAC 1-2-55, Potential Emissions are defined as “emissions of any one (1) pollutant which would be emitted from a facility, if that facility were operated without the use of pollution control equipment unless such control equipment is necessary for the facility to produce its normal product or is integral to the normal operation of the facility.”

<b>Pollutant</b>	<b>Potential Emissions (tons/year)</b>
PM	201
PM <sub>10</sub>	201
SO <sub>2</sub>	0.115
VOC	1,301
CO	16.1
NO <sub>x</sub>	19.1

Note: For the purpose of determining Title V applicability for particulates, PM<sub>10</sub>, not PM, is the regulated pollutant in consideration.

<b>HAP's</b>	<b>Potential Emissions (tons/year)</b>
MEK	greater than 10
Toluene	greater than 10
MIBK	greater than 10
Ethyl benzene	greater than 10
Xylene	greater than 10
Glycol Ethers	greater than 10
Methanol	greater than 10
Benzene	less than 10
Dichlorobenzene	less than 10
Formaldehyde	less than 10
Hexane	less than 10
Cadmium	less than 10

HAP's	Potential Emissions (tons/year)
Chromium	less than 10
Manganese	less than 10
Nickel	less than 10
Lead	less than 10
TOTAL	greater than 25

- (a) The potential emissions (as defined in 326 IAC 1-2-55) of VOC and PM<sub>10</sub> are equal to or greater than 100 tons per year. Therefore, the source is subject to the provisions of 326 IAC 2-7.
- (b) The potential emissions (as defined in 326 IAC 1-2-55) of any single HAP is equal to or greater than ten (10) tons per year and the potential emissions (as defined in 326 IAC 1-2-55) of a combination HAPS is greater than or equal to twenty-five (25) tons per year. Therefore, the source is subject to the provisions of 326 IAC 2-7.
- (c) Fugitive Emissions  
Since this type of operation is not one of the twenty-eight (28) listed source categories under 326 IAC 2-2 and since there are no applicable New Source Performance Standards that were in effect on August 7, 1980, the fugitive particulate matter (PM) and volatile organic compound (VOC) emissions are not counted toward determination of PSD applicability.

#### Actual Emissions

The following table shows the actual emissions from the source. This information reflects the 1996 OAM emission data, excluding the emissions from the chromium electroplating and acid wash which have been removed and excluding negligible hazardous air pollutant emissions from combustion. The emissions for criteria pollutants were reported under the name "Randall Company." This source has gone by the name "Randall Company" as well as "Textron Automotive Company."

Pollutant	Actual Emissions (tons/year)
PM	1.81
PM <sub>10</sub>	1.79
SO <sub>2</sub>	0.014
VOC	65.7
CO	0.840
NO <sub>x</sub>	3.36
HAP (Methanol)	0.07
HAP (MEK)	12.2



Pollutant	Actual Emissions (tons/year)
HAP (Ethyl benzene)	0.27
HAP (MIBK)	4.1
HAP (Toluene)	3.08
HAP (Xylene)	6.92
HAP (Glycol Ethers)	1.27

### Limited Potential to Emit

The table below summarizes the total potential to emit, reflecting all limits, of the significant emission units.

	Limited Potential to Emit (tons/year)						
Process/facility	PM	PM <sub>10</sub>	SO <sub>2</sub>	VOC	CO	NO <sub>x</sub>	HAPS
Twenty-three (23) surface coating booths	19.1	19.1	0.00	231*	0.00	0.00	231
Insignificant Activities	10.0	10.0	0.115	17.7**	16.1	19.1	4.36
Total Emissions	29.1	29.1	0.115	249	16.1	19.1	235

\* The VOC usage at booths A, B, C, D, E, F, and G is limited to a total of 175 tons per consecutive twelve (12) month period. Booths 9, HS13 and HS17 are limited to VOC usage of less than 25 tons per consecutive twelve (12) month period, each. All other surface coating booths are not individually limited. The total VOC usage at all booths is limited to no more than 232 tons per twelve (12) consecutive months. This will result in VOC emissions from the twenty-three (23) surface coating booths of no more than 231 tons per year.

\*\* The VOC from insignificant activities is composed of 2.1 tons/yr from the Safety Kleen degreaser, 1.05 tons/yr from combustion, 8.38 tons/yr from miscellaneous chemical usage, 5.16 tons/yr from injection molding and a conservative estimate of 1.0 ton/yr from tank emissions, which results in 17.7 tons/yr of VOC from insignificant activities. The calculated potential emissions are based on the actual emission calculations for 1995 supplied by the applicant.

### County Attainment Status

The source is located in Shelby County.

Pollutant	Status
PM <sub>10</sub>	attainment
SO <sub>2</sub>	attainment
NO <sub>2</sub>	attainment

Pollutant	Status
Ozone	attainment
CO	attainment
Lead	attainment

Volatile organic compounds (VOC) and oxides of nitrogen (NO<sub>x</sub>) are precursors for the formation of ozone. Therefore, VOC and NO<sub>x</sub> emissions are considered when evaluating the rule applicability relating to the ozone standards. Shelby County has been designated as attainment or unclassifiable for ozone.

#### **Federal Rule Applicability**

- (a) There are no New Source Performance Standards (326 IAC 12), 40 CFR Part 60 applicable to this source.
- (b) There are no New Emission Standards for Hazardous Air Pollutants (326 IAC 14 and 326 IAC 20), 40 CFR Parts 61 and 63, applicable to this source.
- (c) The natural gas-fired boilers have been removed from this source. Therefore, the requirements of 40 CFR 60, Subparts Da, Db, and Dc are not applicable. Since the one (1) natural gas-fired boiler rated at 13.5 million British thermal units per hour and the one (1) natural gas-fired boiler rated at 5.5 million British thermal units per hour were constructed in March of 1977, the requirements of 40 CFR Part 60, Subparts Da, Db, and Dc were not applicable. The boilers had heat input capacities less than 250 million British thermal units per hour. Therefore, the requirements of 40 CFR Part 60, Subpart D were not applicable.
- (d) The chromium electroplating operations have been removed from this source. Therefore, the requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAPs), 326 IAC 14, (40 CFR 63, Subpart N, and 326 IAC 20-1-1) are not applicable.
- (e) Since the one (1) Safety Kleen parts cleaner does not use halogenated solvents, the requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAPs), 326 IAC 14, (40 CFR 63, Subpart T, and 326 IAC 20-6) are not applicable.

#### **State Rule Applicability - Entire Source**

##### **326 IAC 1-6-3 (Preventive Maintenance Plan)**

The source has submitted a Preventive Maintenance Plan (PMP) on December 12, 1996. This PMP will be verified to fulfill the requirements of 326 IAC 1-6-3 (Preventive Maintenance Plan).

##### **326 IAC 1-7 (Stack Height Provisions)**

The surface coating booths B, C, D and E each have potential PM emissions greater than 25 tons per year. Therefore, 326 IAC 1-7 is applicable to stacks/vents SB, SC, SD and SE. Since each of these facilities are controlled by dry filters, actual PM emissions are less than 25 tons per year. Therefore, the stacks are exempt from the requirements specified in 326 IAC 1-7-3(a). Since these stacks were constructed after 1979, there are no requirements applicable pursuant to 326 IAC 1-7-3, Stack height provisions: requirements.

### 326 IAC 2-2 (Prevention of Significant Deterioration)

Pursuant to CP 145-5216-00033, issued on July 23, 1996, the VOC usage at the source shall be limited to less than 250 tons per year. Therefore the requirements of 326 IAC 2-2 and 40 CFR Part 52 are not applicable.

### 326 IAC 2-6 (Emission Reporting)

This source is subject to 326 IAC 2-6 (Emission Reporting), because it has the potential to emit more than one hundred (100) tons per year of VOC and PM<sub>10</sub>. Pursuant to this rule, the owner/operator of the source must annually submit an emission statement for the source. The annual statement must be received by July 1 of each year and contain the minimum requirement as specified in 326 IAC 2-6-4. The submittal should cover the period defined in 326 IAC 2-6-2(8)(Emission Statement Operating Year).

### 326 IAC 5-1 (Opacity Limitations)

Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-3 (Temporary Exemptions), opacity shall meet the following, unless otherwise stated in this permit:

- (a) Opacity shall not exceed an average of forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
- (b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

### State Rule Applicability - Individual Facilities

#### 326 IAC 2-1-3.4 (New Source Toxics Control)

Since all facilities were constructed prior to July 27, 1997, the requirements of 326 IAC 2-1-3.4 are not applicable.

#### 326 IAC 6-3-2 (Process Operations)

- (a) The particulate matter (PM) from the twenty-three (23) surface coating booths shall be limited by the following:  
Interpolation and extrapolation of the data for the process weight rate up to sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

$$E = 4.10 P^{0.67} \quad \text{where } E = \text{rate of emission in pounds per hour and} \\ P = \text{process weight rate in tons per hour}$$

The dry filters shall be in operation at all times when the corresponding surface coating booths is in operation, in order to comply with this limit.

- (b) The particulate matter (PM) from the wheel cover room drying oven, wheel cover room curing oven, and accent room curing oven, brazing, cutting, soldering, welding, forty-four (44) electrically heated injection molding machines, eighteen (18) portable plastic grinders, and one

(1) fragmentizer shall be limited by the following:

Interpolation and extrapolation of the data for the process weight rate up to sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

$$E = 4.10 P^{0.67} \quad \text{where } E = \text{rate of emission in pounds per hour and} \\ P = \text{process weight rate in tons per hour}$$

326 IAC 8-1-6 (New Facilities; General reduction requirements)

Pursuant to CP 145-5216-00033, issued on July 23, 1996, the requirements of 326 IAC 8-1-6 can be applicable to the twenty-three (23) surface coating booths, all constructed after January 1, 1980.

- (a) Pursuant to CP 145-5216-00033, issued on July 23, 1996, the VOC delivered to the applicators, including cleanup solvents, at coating booths 9, HS13 and HS17 shall each be limited to less than 25 tons per twelve (12) consecutive month period, each. These limits for the coating booths constructed after 1980 shall render the requirements of 326 IAC 8-1-6 not applicable for these booths.
- (b) Pursuant to CP 145-5216-00033, issued on July 23, 1996, the Best Available Control Technology (BACT) for this source shall be the following:
  - (1) The input of VOC to the applicators at paint line A, B, C, D, E, F and G shall not exceed 175 tons per twelve (12) consecutive months, total.
  - (2) All twenty-three (23) paint booths shall use high volume, low pressure (HVLP) spray guns.
  - (3) A thirty- (30-) day average of 6.0 pounds per gallon maximum VOC concentration in coatings used for all automotive parts, except wheel covers, shall be maintained.
  - (4) A thirty- (30-) day average of 6.2 pounds per gallon maximum VOC concentration in coatings used for all wheel covers shall be maintained.
  - (5) No solvent based cleaner shall be used for mask washing.

326 IAC 8-2-9 (Miscellaneous Metal Coating)

Since the source does not coat metal parts, the requirement of 326 IAC 8-2-9 (Miscellaneous Metal Coating Operations) are not applicable.

326 IAC 8-3 (Organic Solvent Degreasing Operations)

The one (1) insignificant Safety Kleen parts washer is subject to the requirements of 326 IAC 8-3-2 (Cold Cleaner Operations). Pursuant to this rule, the owner or operator of the one (1) Safety Kleen parts cleaner shall:

- (a) Equip the cleaner with a cover;
- (b) Equip the cleaner with a facility for draining cleaned parts;

- (c) Close the degreaser cover whenever parts are not being handled in the cleaner;
- (d) Drain cleaned parts for at least fifteen (15) seconds or until dripping ceases;
- (e) Provide a permanent, conspicuous label summarizing the operation requirements;
- (f) Store waste solvent only in covered containers and not dispose of waste solvent or transfer it to another party, in such a manner that greater than twenty percent (20%) of the waste solvent (by weight) can evaporate into the atmosphere.

### **Compliance Requirements**

Permits issued under 326 IAC 2-7 are required to ensure that sources can demonstrate compliance with applicable state and federal rules on a more or less continuous basis. All state and federal rules contain compliance provisions, however, these provisions do not always fulfill the requirement for a more or less continuous demonstration. When this occurs IDEM, OAM, in conjunction with the source, must develop specific conditions to satisfy 326 IAC 2-7-5. As a result, compliance requirements are divided into two sections: Compliance Determination Requirements and Compliance Monitoring Requirements.

Compliance Determination Requirements in Section D of the permit are those conditions that are found more or less directly within state and federal rules and the violation of which serves as grounds for enforcement action. If these conditions are not sufficient to demonstrate continuous compliance, they will be supplemented with Compliance Monitoring Requirements, also Section D of the permit. Unlike Compliance Determination Requirements, failure to meet Compliance Monitoring conditions would serve as a trigger for corrective actions and not grounds for enforcement action. However, a violation in relation to a compliance monitoring condition will arise through a source's failure to take the appropriate corrective actions within a specific time period.

The compliance monitoring requirements applicable to this source are as follows:

The twenty-three (23) surface coating booths have applicable compliance monitoring conditions as specified below:

- (a) Daily inspections shall be performed to verify the placement, integrity and particle loading of the filters. To monitor the performance of the dry filters, weekly observations shall be made of the overspray from the surface coating booth stacks while one or more of the booths are in operation. The Compliance Response Plan shall be followed whenever a condition exists which should result in a response step. Failure to take response steps in accordance with Section C - Compliance Monitoring Plan - Failure to Take Response Steps, shall be considered a violation of this permit.
- (b) Monthly inspections shall be performed of the coating emissions from the stack and the presence of overspray on the rooftops and the nearby ground. The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when a noticeable change in overspray emission, or evidence of overspray emission is observed. The Compliance Response Plan shall be followed whenever a condition exists which should result in a response step. Failure to take response steps in accordance with Section C - Compliance Monitoring Plan - Failure to Take Response Steps, shall be considered a violation of this permit.

- (c) Additional inspections and preventive measures shall be performed as prescribed in the Preventive Maintenance Plan.

These monitoring conditions are necessary because the dry filters for overspray control must operate properly to ensure compliance with 326 IAC 6-3 (Process Operations) and 326 IAC 2-7 (Part 70).

### **Air Toxic Emissions**

Indiana presently requests applicants to provide information on emissions of the 187 hazardous air pollutants (HAPs) set out in the Clean Air Act Amendments of 1990. These pollutants are either carcinogenic or otherwise considered toxic and are commonly used by industries. They are listed as air toxics on the Office of Air Management (OAM) Part 70 Application Form GSD-08.

- (a) This source will emit levels of air toxics greater than those that constitute major source applicability according to Section 112 of the 1990 Clean Air Act Amendments.
- (b) See attached calculations for detailed air toxic calculations (pages 7 through 12 of 14).

### **Conclusion**

The operation of this plastic automotive parts manufacturing and finishing operation shall be subject to the conditions of the attached proposed Part 70 Permit No. T 145-7514-00033.

**Appendix A: Federal Potential Emissions Calculations  
VOC and Particulate  
From Surface Coating Operations**

**Company Name:** Textron Automotive Company  
**Address City IN Zip:** 2782 East U.S. Highway 52, Morristown, IN 46161  
**Part 70:** T145-7514  
**Pit ID:** 145-00033  
**Reviewer:** CarrieAnn Ortolani  
**Date:** December 13, 1996

Material	Density (lb/gal)	Weight % Volatile (H2O & Organics)	Weight % Water	Weight % Organics	Volume % Water	Volume % Non-Vol (solids)	Gal of Mat (gal/unit)	Maximum (unit/hour)	Flash-off (fraction)	Pounds VOC per gallon of coating less water	Pounds VOC per gallon of coating	Potential VOC pounds per hour	Potential VOC pounds per day	Potential VOC tons per year	Particulate Potential tons per year	lb VOC /gal solids	Transfer Efficiency
<b>HA5</b>																	
CBC 51298	8.25	39.08%	0.0%	39.1%	0.0%	52.47%	0.00160	625	1.000	3.22	3.22	3.22	77.38	14.12	5.50	6.14	75%
Isobutylacetate	7.28	100.00%	0.0%	100.00%	0.0%	0.00%	0.00040	625	1.000	7.28	7.28	1.82	43.65	7.97	0.00	N/A	75%
<b>R-T-S</b>	<b>8.06</b>	<b>50.09%</b>	<b>0.0%</b>	<b>50.09%</b>	<b>0.0%</b>	<b>41.98%</b>	<b>0.00200</b>	<b>625</b>	<b>1.000</b>	<b>4.03</b>	<b>4.03</b>	<b>5.04</b>	<b>121.03</b>	<b>22.09</b>	<b>5.50</b>	<b>9.61</b>	<b>75%</b>
DMT 9517	7.73	68.00%	0.0%	68.0%	0.0%	23.00%	0.00133	625	1.000	5.26	5.26	4.37	104.87	19.14	2.25	22.85	75%
S2790	7.02	100.00%	0.0%	100.00%	0.0%	0.00%	0.00067	625	1.000	7.02	7.02	2.94	70.57	12.88	0.00	N/A	75%
<b>R-T-S</b>	<b>7.49</b>	<b>78.05%</b>	<b>0.0%</b>	<b>78.05%</b>	<b>0.0%</b>	<b>15.30%</b>	<b>0.00200</b>	<b>625</b>	<b>1.000</b>	<b>5.85</b>	<b>5.85</b>	<b>7.31</b>	<b>175.44</b>	<b>32.02</b>	<b>2.25</b>	<b>38.23</b>	<b>75%</b>
										<b>Worst Case:</b>		<b>7.31</b>	<b>175</b>	<b>32.0</b>	<b>5.50</b>		
<b>HA6</b>																	
UHD19KP-A Paint-Black	8.20	67.00%	0.0%	67.0%	0.0%	36.00%	0.00067	275	1.000	5.49	5.49	1.01	24.29	4.43	0.55	15.26	75%
MEK/ Isobutylacetate	7.00	100.00%	0.0%	100.00%	0.0%	0.00%	0.00033	275	1.000	7.00	7.00	0.64	15.24	2.78	0.00	N/A	75%
<b>R-T-S</b>	<b>7.80</b>	<b>76.77%</b>	<b>0.0%</b>	<b>76.77%</b>	<b>0.0%</b>	<b>24.12%</b>	<b>0.00100</b>	<b>275</b>	<b>1.000</b>	<b>5.99</b>	<b>5.99</b>	<b>1.65</b>	<b>39.54</b>	<b>7.22</b>	<b>0.55</b>	<b>24.84</b>	<b>75%</b>
CBC 51298	8.25	39.08%	0.0%	39.1%	0.0%	52.47%	0.00080	275	1.000	3.22	3.22	0.71	17.02	3.11	1.21	6.14	75%
Isobutylacetate	7.28	100.00%	0.0%	100.00%	0.0%	0.00%	0.00020	275	1.000	7.28	7.28	0.40	9.60	1.75	0.00	N/A	75%
<b>R-T-S</b>	<b>8.06</b>	<b>50.09%</b>	<b>0.0%</b>	<b>50.09%</b>	<b>0.0%</b>	<b>41.98%</b>	<b>0.00100</b>	<b>275</b>	<b>1.000</b>	<b>4.03</b>	<b>4.03</b>	<b>1.11</b>	<b>26.63</b>	<b>4.86</b>	<b>1.21</b>	<b>9.61</b>	<b>75%</b>
DMT 9517	7.73	68.00%	0.0%	68.0%	0.0%	23.00%	0.00050	275	1.000	5.26	5.26	0.72	17.35	3.17	0.37	22.85	75%
S2790	7.02	100.00%	0.0%	100.00%	0.0%	0.00%	0.00050	275	1.000	7.02	7.02	0.97	23.17	4.23	0.00	N/A	75%
<b>R-T-S</b>	<b>7.38</b>	<b>83.23%</b>	<b>0.0%</b>	<b>83.23%</b>	<b>0.0%</b>	<b>11.50%</b>	<b>0.00100</b>	<b>275</b>	<b>1.000</b>	<b>6.14</b>	<b>6.14</b>	<b>1.69</b>	<b>40.52</b>	<b>7.39</b>	<b>0.37</b>	<b>53.39</b>	<b>75%</b>
<b>DEM 9440</b>	<b>7.91</b>	<b>68.00%</b>	<b>0.0%</b>	<b>68.0%</b>	<b>0.0%</b>	<b>23.00%</b>	<b>0.00100</b>	<b>275</b>	<b>1.000</b>	<b>5.38</b>	<b>5.38</b>	<b>1.48</b>	<b>35.50</b>	<b>6.48</b>	<b>0.76</b>	<b>23.39</b>	<b>75%</b>
LE20096	8.28	49.30%	0.0%	49.3%	0.0%	42.34%	0.00067	275	1.000	4.08	4.08	0.75	18.05	3.29	0.85	9.64	75%
MEK	6.72	100.00%	0.0%	100.00%	0.0%	0.00%	0.00033	275	1.000	6.72	6.72	0.61	14.64	2.67	0.00	N/A	75%
<b>R-T-S</b>	<b>7.77</b>	<b>63.78%</b>	<b>0.0%</b>	<b>63.78%</b>	<b>0.0%</b>	<b>28.37%</b>	<b>0.00100</b>	<b>275</b>	<b>1.000</b>	<b>4.95</b>	<b>4.95</b>	<b>1.36</b>	<b>32.69</b>	<b>5.97</b>	<b>0.85</b>	<b>17.46</b>	<b>75%</b>
										<b>Worst Case:</b>		<b>1.69</b>	<b>40.5</b>	<b>7.39</b>	<b>1.21</b>		
<b>HA7</b>																	
DMT 9517	7.73	68.00%	0.0%	68.0%	0.0%	23.00%	0.00400	425	1.000	5.26	5.26	8.94	214.46	39.14	4.60	22.85	75%
S2790	7.02	100.00%	0.0%	100.00%	0.0%	0.00%	0.00100	425	1.000	7.02	7.02	2.98	71.63	13.07	0.00	N/A	75%
<b>R-T-S</b>	<b>7.59</b>	<b>73.92%</b>	<b>0.0%</b>	<b>73.92%</b>	<b>0.0%</b>	<b>18.40%</b>	<b>0.00500</b>	<b>425</b>	<b>1.000</b>	<b>5.61</b>	<b>5.61</b>	<b>11.92</b>	<b>286.09</b>	<b>52.21</b>	<b>4.60</b>	<b>30.49</b>	<b>75%</b>
<b>HS13</b>																	
283SL21537	8.04	60.28%	0.0%	60.3%	0.0%	30.88%	0.00800	90	1.000	4.85	4.85	3.49	83.75	15.28	2.52	15.70	75%
S2790	7.02	100.00%	0.0%	100.00%	0.0%	0.00%	0.00200	90	1.000	7.02	7.02	1.26	30.34	5.54	0.00	N/A	75%
<b>R-T-S</b>	<b>7.84</b>	<b>67.40%</b>	<b>0.0%</b>	<b>67.40%</b>	<b>0.0%</b>	<b>24.70%</b>	<b>0.01000</b>	<b>90</b>	<b>1.000</b>	<b>5.28</b>	<b>5.28</b>	<b>4.75</b>	<b>114.08</b>	<b>20.82</b>	<b>2.52</b>	<b>21.38</b>	<b>75%</b>
<b>HS14</b>																	
283SL21537	8.04	60.28%	0.0%	60.3%	0.0%	30.88%	0.00750	90	1.000	4.85	4.85	3.27	78.51	14.33	2.36	15.69	75%
MEK	6.72	100.00%	0.0%	100.00%	0.0%	0.00%	0.00250	90	1.000	6.72	6.72	1.51	36.30	6.62	0.00	N/A	75%
<b>R-T-S</b>	<b>7.71</b>	<b>68.94%</b>	<b>0.0%</b>	<b>68.94%</b>	<b>0.0%</b>	<b>23.16%</b>	<b>0.01000</b>	<b>90</b>	<b>1.000</b>	<b>5.32</b>	<b>5.32</b>	<b>4.78</b>	<b>114.81</b>	<b>20.95</b>	<b>2.36</b>	<b>22.95</b>	<b>75%</b>
79071	7.86	69.75%	0.0%	69.7%	0.0%	30.25%	0.00500	90	1.000	5.48	5.48	2.47	59.20	10.80	1.17	18.12	75%
MEK	6.72	100.00%	0.0%	100.00%	0.0%	0.00%	0.00500	90	1.000	6.72	6.72	3.02	72.60	13.25	0.00	N/A	75%
<b>R-T-S</b>	<b>7.29</b>	<b>83.69%</b>	<b>0.0%</b>	<b>83.69%</b>	<b>0.0%</b>	<b>15.13%</b>	<b>0.01000</b>	<b>90</b>	<b>1.000</b>	<b>6.10</b>	<b>6.10</b>	<b>5.49</b>	<b>131.80</b>	<b>24.05</b>	<b>1.17</b>	<b>40.34</b>	<b>75%</b>
AE261-30349	8.57	60.99%	0.0%	61.0%	0.0%	25.47%	0.00667	90	1.000	5.22	5.22	3.14	75.28	13.74	2.20	20.52	75%
S2790	7.02	100.00%	0.0%	100.00%	0.0%	0.00%	0.00333	90	1.000	7.02	7.02	2.10	50.51	9.22	0.00	N/A	75%
<b>R-T-S</b>	<b>8.05</b>	<b>72.31%</b>	<b>0.0%</b>	<b>72.31%</b>	<b>0.0%</b>	<b>16.99%</b>	<b>0.01000</b>	<b>90</b>	<b>1.000</b>	<b>5.82</b>	<b>5.82</b>	<b>5.24</b>	<b>125.79</b>	<b>22.96</b>	<b>2.20</b>	<b>34.29</b>	<b>75%</b>
										<b>Worst Case:</b>		<b>5.49</b>	<b>132</b>	<b>24.1</b>	<b>2.36</b>		
<b>HS15</b>																	
SF14MAPD	8.39	53.00%	0.0%	53.0%	0.0%	55.00%	0.00333	275	1.000	4.45	4.45	4.07	97.73	17.84	3.95	8.08	75%
MEK	6.72	100.00%	0.0%	100.00%	0.0%	0.00%	0.00167	275	1.000	6.72	6.72	3.09	74.09	13.52	0.00	N/A	75%
<b>R-T-S</b>	<b>7.83</b>	<b>66.47%</b>	<b>0.0%</b>	<b>66.47%</b>	<b>0.0%</b>	<b>36.63%</b>	<b>0.00500</b>	<b>275</b>	<b>1.000</b>	<b>5.21</b>	<b>5.21</b>	<b>7.16</b>	<b>171.82</b>	<b>31.36</b>	<b>3.95</b>	<b>14.21</b>	<b>75%</b>
283SL21537	8.04	60.28%	0.0%	60.3%	0.0%	30.88%	0.00333	275	1.000	4.85	4.85	4.44	106.52	19.44	3.20	15.69	75%
MEK	6.72	100.00%	0.0%	100.00%	0.0%	0.00%	0.00167	275	1.000	6.72	6.72	3.09	74.09	13.52	0.00	N/A	75%
<b>R-T-S</b>	<b>7.60</b>	<b>72.01%</b>	<b>0.0%</b>	<b>72.01%</b>	<b>0.0%</b>	<b>20.57%</b>	<b>0.00500</b>	<b>275</b>	<b>1.000</b>	<b>5.47</b>	<b>5.47</b>	<b>7.53</b>	<b>180.61</b>	<b>32.96</b>	<b>3.20</b>	<b>26.61</b>	<b>75%</b>
283SL21978	8.12	56.85%	0.0%	56.8%	0.0%	33.94%	0.00333	275	1.000	4.62	4.62	4.23	101.51	18.52	3.52	13.61	75%
MEK	6.72	100.00%	0.0%	100.00%	0.0%	0.00%	0.00167	275	1.000	6.72	6.72	3.09	74.09	13.52	0.00	N/A	75%
<b>R-T-S</b>	<b>7.66</b>	<b>69.50%</b>	<b>0.0%</b>	<b>69.50%</b>	<b>0.0%</b>	<b>22.60%</b>	<b>0.00500</b>	<b>275</b>	<b>1.000</b>	<b>5.32</b>	<b>5.32</b>	<b>7.32</b>	<b>175.60</b>	<b>32.05</b>	<b>3.52</b>	<b>23.54</b>	<b>75%</b>
91103RTW7CC	9.30	49.00%	0.0%	49.0%	0.0%	30.00%	0.00400	275	1.000	4.56	4.56	5.01	120.30	21.96	5.71	15.19	75%
S0473	7.30	100.00%	0.0%	100.00%	0.0%	0.00%	0.00100	275	1.000	7.30	7.30	2.01	48.18	8.79	0.00	N/A	75%
<b>R-T-S</b>	<b>8.90</b>	<b>57.37%</b>	<b>0.0%</b>	<b>57.37%</b>	<b>0.0%</b>	<b>24.00%</b>	<b>0.00500</b>	<b>275</b>	<b>1.000</b>	<b>5.11</b>	<b>5.11</b>	<b>7.02</b>	<b>168.48</b>	<b>30.75</b>	<b>5.71</b>	<b>21.27</b>	<b>75%</b>
87009RTW7CC	7.70	65.00%	0.0%	65.0%	0.0%	24.00%	0.00333	275	1.000	5.01	5.01	4.58	110.00	20.07	2.70	20.85	75%
S0473	7.30	100.00%	0.0%	100.00%	0.0%	0.00%	0.00167	275	1.000	7.30	7.30	3.35	80.46	14.68	0.00	N/A	75%
<b>R-T-S</b>	<b>7.57</b>	<b>76.28%</b>	<b>0.0%</b>	<b>76.28%</b>	<b>0.0%</b>	<b>15.98%</b>	<b>0.00500</b>	<b>275</b>	<b>1.000</b>	<b>5.77</b>	<b>5.77</b>	<b>7.94</b>	<b>190.46</b>	<b>34.76</b>	<b>2.70</b>	<b>36.11</b>	<b>75%</b>
										<b>Worst Case:</b>		<b>7.94</b>	<b>190</b>	<b>34.8</b>	<b>5.71</b>		

Material	Density (lb/gal)	Weight % Volatile (H2O & Organics)	Weight % Water	Weight % Organics	Volume % Water	Volume % Non-Vol (solids)	Gal of Mat (gal/unit)	Maximum (unit/hour)	Flash-off (fraction)	Pounds VOC per gallon of coating less water	Pounds VOC per gallon of coating	Potential VOC pounds per hour	Potential VOC pounds per day	Potential VOC tons per year	Particulate Potential tons per year	lb VOC /gal solids	Transfer Efficiency
<b>HS17</b>																	
79071	7.86	69.75%	0.1%	69.7%	0.0%	30.25%	0.00750	75	1.000	5.48	5.48	3.08	73.95	13.50	1.46	18.11	75%
MEK	6.72	100.00%	0.0%	100.00%	0.0%	0.00%	0.00750	75	1.000	6.72	6.72	3.78	90.75	16.56	0.00	N/A	75%
<b>R-T-S</b>	<b>7.29</b>	<b>83.69%</b>	<b>0.0%</b>	<b>83.66%</b>	<b>0.0%</b>	<b>15.13%</b>	<b>0.01500</b>	<b>75</b>	<b>1.000</b>	<b>6.10</b>	<b>6.10</b>	<b>6.86</b>	<b>164.70</b>	<b>30.06</b>	<b>1.46</b>	<b>40.33</b>	<b>75%</b>
93100RTW7CC	7.70	66.00%	0.0%	66.0%	0.0%	24.00%	0.01000	75	1.000	5.08	5.08	3.81	91.48	16.69	2.15	21.18	75%
S0473	7.30	100.00%	0.0%	100.00%	0.0%	0.00%	0.00500	75	1.000	7.30	7.30	2.74	65.70	11.99	0.00	N/A	75%
<b>R-T-S</b>	<b>7.57</b>	<b>76.93%</b>	<b>0.0%</b>	<b>76.93%</b>	<b>0.0%</b>	<b>16.00%</b>	<b>0.01500</b>	<b>75</b>	<b>1.000</b>	<b>5.82</b>	<b>5.82</b>	<b>6.55</b>	<b>157.18</b>	<b>28.68</b>	<b>2.15</b>	<b>36.38</b>	<b>75%</b>
UR569	7.50	76.00%	0.0%	76.0%	0.0%	18.00%	0.00750	75	1.000	5.70	5.70	3.21	76.95	14.04	1.11	31.67	75%
S0473	7.30	100.00%	0.0%	100.00%	0.0%	0.00%	0.00750	75	1.000	7.30	7.30	4.11	98.55	17.99	0.00	N/A	75%
<b>R-T-S</b>	<b>7.40</b>	<b>87.84%</b>	<b>0.0%</b>	<b>87.84%</b>	<b>0.0%</b>	<b>9.00%</b>	<b>0.01500</b>	<b>75</b>	<b>1.000</b>	<b>6.50</b>	<b>6.50</b>	<b>7.31</b>	<b>175.50</b>	<b>32.03</b>	<b>1.11</b>	<b>72.22</b>	<b>75%</b>
AE26130349	8.57	60.99%	0.0%	61.0%	0.0%	25.47%	0.01000	75	1.000	5.22	5.22	3.92	94.05	17.16	2.75	20.52	75%
S2791	6.62	100.00%	0.0%	100.00%	0.0%	0.00%	0.00500	75	1.000	6.62	6.62	2.48	59.58	10.87	0.00	N/A	75%
<b>R-T-S</b>	<b>7.92</b>	<b>71.86%</b>	<b>0.0%</b>	<b>71.86%</b>	<b>0.0%</b>	<b>16.98%</b>	<b>0.01500</b>	<b>75</b>	<b>1.000</b>	<b>5.69</b>	<b>5.69</b>	<b>6.40</b>	<b>153.63</b>	<b>28.04</b>	<b>2.75</b>	<b>33.52</b>	<b>75%</b>
											<b>Worst Case:</b>	<b>7.31</b>	<b>176</b>	<b>32.0</b>	<b>2.75</b>		
<b>HS18</b>																	
79071 Black	7.86	69.75%	0.0%	69.8%	0.0%	30.25%	0.00750	75	1.000	5.48	5.48	3.08	74.01	13.51	1.46	18.12	75%
MEK	6.72	100.00%	0.0%	100.00%	0.0%	0.00%	0.00750	75	1.000	6.72	6.72	3.78	90.75	16.56	0.00	N/A	75%
<b>R-T-S</b>	<b>7.29</b>	<b>83.69%</b>	<b>0.0%</b>	<b>83.69%</b>	<b>0.0%</b>	<b>15.13%</b>	<b>0.01500</b>	<b>75</b>	<b>1.000</b>	<b>6.10</b>	<b>6.10</b>	<b>6.86</b>	<b>164.76</b>	<b>30.07</b>	<b>1.46</b>	<b>40.35</b>	<b>75%</b>
283SL21537	8.04	60.28%	0.0%	60.3%	0.0%	30.88%	0.01125	75	1.000	4.85	4.85	4.09	98.14	17.91	2.95	15.70	75%
MEK	6.72	100.00%	0.0%	100.00%	0.0%	0.00%	0.00370	75	1.000	6.72	6.72	1.87	44.77	8.17	0.00	N/A	75%
<b>R-T-S</b>	<b>7.71</b>	<b>68.85%</b>	<b>0.0%</b>	<b>68.85%</b>	<b>0.0%</b>	<b>23.24%</b>	<b>0.01500</b>	<b>75</b>	<b>1.000</b>	<b>5.31</b>	<b>5.31</b>	<b>5.97</b>	<b>143.39</b>	<b>26.17</b>	<b>2.96</b>	<b>22.86</b>	<b>75%</b>
28SL21978	8.12	56.85%	0.0%	56.8%	0.0%	33.94%	0.01000	75	1.000	4.62	4.62	3.46	83.13	15.17	2.88	13.61	75%
MEK	6.72	100.00%	0.0%	100.00%	0.0%	0.00%	0.00500	75	1.000	6.72	6.72	2.52	60.50	11.04	0.00	N/A	75%
<b>R-T-S</b>	<b>7.66</b>	<b>69.47%</b>	<b>0.0%</b>	<b>69.47%</b>	<b>0.0%</b>	<b>22.63%</b>	<b>0.01500</b>	<b>75</b>	<b>1.000</b>	<b>5.32</b>	<b>5.32</b>	<b>5.98</b>	<b>143.63</b>	<b>26.21</b>	<b>2.88</b>	<b>23.51</b>	<b>75%</b>
2696V50129	7.70	64.00%	0.0%	64.0%	0.0%	25.00%	0.01000	75	1.000	4.93	4.93	3.70	88.70	16.19	2.28	19.71	75%
MEK	6.72	100.00%	0.0%	100.00%	0.0%	0.00%	0.00500	75	1.000	6.72	6.72	2.52	60.50	11.04	0.00	N/A	75%
<b>R-T-S</b>	<b>7.37</b>	<b>74.94%</b>	<b>0.0%</b>	<b>74.94%</b>	<b>0.0%</b>	<b>16.67%</b>	<b>0.01500</b>	<b>75</b>	<b>1.000</b>	<b>5.53</b>	<b>5.53</b>	<b>6.22</b>	<b>149.20</b>	<b>27.23</b>	<b>2.28</b>	<b>33.16</b>	<b>75%</b>
86191RTW7CC	7.60	68.00%	0.0%	68.0%	0.0%	22.00%	0.01000	75	1.000	5.17	5.17	3.88	93.02	16.98	2.00	23.49	75%
MEK	6.72	100.00%	0.0%	100.00%	0.0%	0.00%	0.00500	75	1.000	6.72	6.72	2.52	60.50	11.04	0.00	N/A	75%
<b>R-T-S</b>	<b>7.31</b>	<b>77.81%</b>	<b>0.0%</b>	<b>77.81%</b>	<b>0.0%</b>	<b>14.67%</b>	<b>0.01500</b>	<b>75</b>	<b>1.000</b>	<b>5.69</b>	<b>5.69</b>	<b>6.40</b>	<b>153.52</b>	<b>28.02</b>	<b>2.00</b>	<b>38.77</b>	<b>75%</b>
UR569	7.50	76.00%	0.0%	76.0%	0.0%	18.00%	0.00750	75	1.000	5.70	5.70	3.21	76.95	14.04	1.11	31.67	75%
MEK	6.72	100.00%	0.0%	100.00%	0.0%	0.00%	0.00750	75	1.000	6.72	6.72	3.78	90.75	16.56	0.00	N/A	75%
<b>R-T-S</b>	<b>7.11</b>	<b>87.34%</b>	<b>0.0%</b>	<b>87.34%</b>	<b>0.0%</b>	<b>9.00%</b>	<b>0.01500</b>	<b>75</b>	<b>1.000</b>	<b>6.21</b>	<b>6.21</b>	<b>6.99</b>	<b>167.70</b>	<b>30.60</b>	<b>1.11</b>	<b>69.01</b>	<b>75%</b>
											<b>Worst Case:</b>	<b>6.99</b>	<b>168</b>	<b>30.6</b>	<b>2.96</b>		
<b>HS19</b>																	
79071 Black	7.86	69.75%	0.1%	69.7%	0.0%	30.25%	0.00013	10000	1.000	5.48	5.48	7.12	170.90	31.19	3.38	18.11	75%
MEK	6.72	100.00%	0.0%	100.00%	0.0%	0.00%	0.00013	10000	1.000	6.72	6.72	8.74	209.73	38.28	0.00	N/A	75%
<b>R-T-S</b>	<b>7.29</b>	<b>83.69%</b>	<b>0.0%</b>	<b>83.66%</b>	<b>0.0%</b>	<b>15.13%</b>	<b>0.00025</b>	<b>10000</b>	<b>1.000</b>	<b>6.10</b>	<b>6.10</b>	<b>15.25</b>	<b>365.99</b>	<b>66.79</b>	<b>3.25</b>	<b>40.33</b>	<b>75%</b>
80261N874	7.20	82.00%	0.0%	82.0%	0.0%	12.00%	0.00017	10000	1.000	5.90	5.90	10.04	240.88	43.96	2.41	49.20	75%
MEK	6.72	100.00%	0.0%	100.00%	0.0%	0.00%	0.00008	10000	1.000	6.72	6.72	5.38	129.06	23.55	0.00	N/A	75%
<b>R-T-S</b>	<b>7.05</b>	<b>87.49%</b>	<b>0.0%</b>	<b>87.49%</b>	<b>0.0%</b>	<b>8.16%</b>	<b>0.00025</b>	<b>10000</b>	<b>1.000</b>	<b>6.17</b>	<b>6.17</b>	<b>15.41</b>	<b>369.95</b>	<b>67.52</b>	<b>2.41</b>	<b>75.56</b>	<b>75%</b>
60230W7E	7.50	67.00%	0.0%	67.0%	0.0%	25.00%	0.00013	10000	1.000	5.03	5.03	6.53	156.78	28.61	3.52	20.10	75%
MEK	6.72	100.00%	0.0%	100.00%	0.0%	0.00%	0.00013	10000	1.000	6.72	6.72	8.74	209.73	38.28	0.00	N/A	75%
<b>R-T-S</b>	<b>7.11</b>	<b>82.60%</b>	<b>0.0%</b>	<b>82.60%</b>	<b>0.0%</b>	<b>12.50%</b>	<b>0.00025</b>	<b>10000</b>	<b>1.000</b>	<b>5.87</b>	<b>5.87</b>	<b>14.68</b>	<b>352.41</b>	<b>64.32</b>	<b>3.39</b>	<b>46.99</b>	<b>75%</b>
89198N420	8.80	59.00%	0.0%	59.0%	0.0%	28.00%	0.00017	10000	1.000	5.19	5.19	8.83	211.83	38.66	6.72	18.54	75%
MEK	6.72	100.00%	0.0%	100.00%	0.0%	0.00%	0.00008	10000	1.000	6.72	6.72	5.38	129.06	23.55	0.00	N/A	75%
<b>R-T-S</b>	<b>8.14</b>	<b>69.84%</b>	<b>0.0%</b>	<b>69.84%</b>	<b>0.0%</b>	<b>19.04%</b>	<b>0.00025</b>	<b>10000</b>	<b>1.000</b>	<b>5.68</b>	<b>5.68</b>	<b>14.20</b>	<b>340.90</b>	<b>62.21</b>	<b>6.72</b>	<b>29.84</b>	<b>75%</b>
AE26117656	8.57	60.44%	0.0%	60.4%	0.0%	26.00%	0.00017	10000	1.000	5.18	5.18	8.81	211.34	38.57	6.31	19.92	75%
S2791	6.62	100.00%	0.0%	100.00%	0.0%	0.00%	0.00008	10000	1.000	6.62	6.62	5.30	127.10	23.20	0.00	N/A	75%
<b>R-T-S</b>	<b>7.95</b>	<b>70.99%</b>	<b>0.0%</b>	<b>70.99%</b>	<b>0.0%</b>	<b>17.68%</b>	<b>0.00025</b>	<b>10000</b>	<b>1.000</b>	<b>5.64</b>	<b>5.64</b>	<b>14.10</b>	<b>338.45</b>	<b>61.77</b>	<b>6.31</b>	<b>31.90</b>	<b>75%</b>
AE26117045	8.14	65.26%	0.0%	65.3%	0.0%	24.12%	0.00017	10000	1.000	5.31	5.31	9.03	216.65	39.54	5.26	22.02	75%
S2791	6.62	100.00%	0.0%	100.00%	0.0%	0.00%	0.00008	10000	1.000	6.62	6.62	5.30	127.10	23.20	0.00	N/A	75%
<b>R-T-S</b>	<b>7.65</b>	<b>74.88%</b>	<b>0.0%</b>	<b>74.88%</b>	<b>0.0%</b>	<b>16.40%</b>	<b>0.00025</b>	<b>10000</b>	<b>1.000</b>	<b>5.73</b>	<b>5.73</b>	<b>14.32</b>	<b>343.75</b>	<b>62.74</b>	<b>5.26</b>	<b>34.94</b>	<b>75%</b>
											<b>Worst Case:</b>	<b>15.4</b>	<b>370</b>	<b>67.5</b>	<b>6.72</b>		
<b>9</b>																	
<b>DEM9440</b>	<b>7.91</b>	<b>68.00%</b>	<b>0.0%</b>	<b>68.0%</b>	<b>0.0%</b>	<b>26.00%</b>	<b>0.00097</b>	<b>750</b>	<b>1.000</b>	<b>5.38</b>	<b>5.38</b>	<b>3.91</b>	<b>93.91</b>	<b>17.14</b>	<b>2.02</b>	<b>20.69</b>	<b>75%</b>
UHD46KP	8.20	67.00%	0.0%	67.0%	0.0%	33.00%	0.00078	750	1.000	5.49	5.49	3.21	77.14	14.08	1.73	16.65	75%
MEK/ Isobutylacetate	7.00	100.00%	0.0%	100.00%	0.0%	0.00%	0.00019	750	1.000	7.00	7.00	1.00	23.94	4.37	0.00	N/A	75%
<b>R-T-S</b>	<b>7.96</b>	<b>72.68%</b>	<b>0.0%</b>	<b>72.68%</b>	<b>0.0%</b>	<b>26.54%</b>	<b>0.00097</b>	<b>750</b>	<b>1.000</b>	<b>5.79</b>	<b>5.79</b>	<b>4.21</b>	<b>101.07</b>	<b>18.45</b>	<b>1.73</b>	<b>21.81</b>	<b>75%</b>
											<b>Worst Case:</b>	<b>4.21</b>	<b>101</b>	<b>18.4</b>	<b>2.02</b>		



Material	Density (lb/gal)	Weight % Volatile (H2O & Organics)	Weight % Water	Weight % Organics	Volume % Water	Volume % Non-Vol (solids)	Gal of Mat (gal/unit)	Maximum (unit/hour)	Flash-off (fraction)	Pounds VOC per gallon of coating less water	Pounds VOC per gallon of coating	Potential VOC pounds per hour	Potential VOC pounds per day	Potential VOC tons per year	Particulate Potential tons per year	lb VOC /gal solids	Transfer Efficiency
<b>10</b>																	
DMT9517	7.73	68.00%	0.0%	68.0%	0.0%	26.00%	0.00073	375	1.000	5.26	5.26	1.44	34.53	6.30	0.74	20.22	75%
S2790	7.02	100.00%	0.0%	100.00%	0.0%	0.00%	0.00024	375	1.000	7.02	7.02	0.63	15.17	2.77	0.00	N/A	75%
<b>R-T-S</b>	<b>7.55</b>	<b>75.36%</b>	<b>0.0%</b>	<b>75.36%</b>	<b>0.0%</b>	<b>19.57%</b>	<b>0.00097</b>	<b>375</b>	<b>1.000</b>	<b>5.69</b>	<b>5.69</b>	<b>2.07</b>	<b>49.70</b>	<b>9.07</b>	<b>0.74</b>	<b>29.10</b>	<b>75%</b>
<b>DEM9440</b>	<b>7.91</b>	<b>68.00%</b>	<b>0.0%</b>	<b>68.0%</b>	<b>0.0%</b>	<b>26.00%</b>	<b>0.00097</b>	<b>375</b>	<b>1.000</b>	<b>5.38</b>	<b>5.38</b>	<b>1.96</b>	<b>46.96</b>	<b>8.57</b>	<b>1.01</b>	<b>20.69</b>	<b>75%</b>
HD7CPB1 Paint-Clearcoat	8.25	46.00%	0.0%	46.0%	0.0%	51.00%	0.00073	375	1.000	3.80	3.80	1.04	24.93	4.55	1.34	7.44	75%
MEK/ Isobutylacetate	7.00	100.00%	0.0%	100.00%	0.0%	0.00%	0.00024	375	1.000	7.00	7.00	0.63	15.12	2.76	0.00	N/A	75%
<b>R-T-S</b>	<b>7.94</b>	<b>57.78%</b>	<b>0.0%</b>	<b>57.78%</b>	<b>0.0%</b>	<b>38.38%</b>	<b>0.00097</b>	<b>375</b>	<b>1.000</b>	<b>4.59</b>	<b>4.59</b>	<b>1.67</b>	<b>40.05</b>	<b>7.31</b>	<b>1.34</b>	<b>11.95</b>	<b>75%</b>
DBU 88	8.09	54.09%	0.0%	54.1%	0.0%	39.82%	0.00073	375	1.000	4.38	4.38	1.20	28.75	5.25	1.11	10.99	75%
S2790	7.02	100.00%	0.0%	100.00%	0.0%	0.00%	0.00024	375	1.000	7.02	7.02	0.63	15.17	2.77	0.00	N/A	75%
<b>R-T-S</b>	<b>7.83</b>	<b>64.28%</b>	<b>0.0%</b>	<b>64.28%</b>	<b>0.0%</b>	<b>29.97%</b>	<b>0.00097</b>	<b>375</b>	<b>1.000</b>	<b>5.03</b>	<b>5.03</b>	<b>1.83</b>	<b>43.92</b>	<b>8.01</b>	<b>1.11</b>	<b>16.79</b>	<b>75%</b>
CBC51298	8.25	39.08%	0.0%	39.1%	0.0%	52.47%	0.00078	375	1.000	3.22	3.22	0.94	22.63	4.13	1.61	6.14	75%
Isobutylacetate	7.28	100.00%	0.0%	100.00%	0.0%	0.00%	0.00019	375	1.000	7.28	7.28	0.52	12.44	2.27	0.00	N/A	75%
<b>R-T-S</b>	<b>8.06</b>	<b>49.85%</b>	<b>0.0%</b>	<b>49.85%</b>	<b>0.0%</b>	<b>42.19%</b>	<b>0.00097</b>	<b>375</b>	<b>1.000</b>	<b>4.02</b>	<b>4.02</b>	<b>1.46</b>	<b>35.07</b>	<b>6.40</b>	<b>1.61</b>	<b>9.52</b>	<b>75%</b>
											<b>Worst Case:</b>	<b>2.07</b>	<b>49.7</b>	<b>9.07</b>	<b>1.61</b>		
<b>11</b>																	
UHD19KP-A Paint-Black	8.20	67.00%	0.0%	67.0%	0.0%	36.00%	0.00065	375	1.000	5.49	5.49	1.34	32.14	5.87	0.72	15.26	75%
MEK/ Isobutylacetate	7.00	100.00%	0.0%	100.00%	0.0%	0.00%	0.00032	375	1.000	7.00	7.00	0.84	20.16	3.68	0.00	N/A	75%
<b>R-T-S</b>	<b>7.80</b>	<b>76.76%</b>	<b>0.0%</b>	<b>76.76%</b>	<b>0.0%</b>	<b>24.12%</b>	<b>0.00097</b>	<b>375</b>	<b>1.000</b>	<b>5.99</b>	<b>5.99</b>	<b>2.18</b>	<b>52.30</b>	<b>9.54</b>	<b>0.72</b>	<b>24.83</b>	<b>75%</b>
DCT3000	8.48	32.13%	0.0%	32.1%	0.0%	61.54%	0.00078	375	1.000	2.72	2.72	0.80	19.13	3.49	1.84	4.43	75%
Isobutylacetate	7.28	100.00%	0.0%	100.00%	0.0%	0.00%	0.00019	375	1.000	7.28	7.28	0.52	12.44	2.27	0.00	N/A	75%
<b>R-T-S</b>	<b>8.24</b>	<b>43.86%</b>	<b>0.0%</b>	<b>43.86%</b>	<b>0.0%</b>	<b>49.49%</b>	<b>0.00097</b>	<b>375</b>	<b>1.000</b>	<b>3.62</b>	<b>3.62</b>	<b>1.32</b>	<b>31.57</b>	<b>5.76</b>	<b>1.84</b>	<b>7.31</b>	<b>75%</b>
DBU88	8.09	54.09%	0.0%	54.1%	0.0%	39.82%	0.00073	375	1.000	4.38	4.38	1.20	28.75	5.25	1.11	10.99	75%
S2790	7.02	100.00%	0.0%	100.00%	0.0%	0.00%	0.00024	375	1.000	7.02	7.02	0.63	15.17	2.77	0.00	N/A	75%
<b>R-T-S</b>	<b>7.83</b>	<b>64.28%</b>	<b>0.0%</b>	<b>64.28%</b>	<b>0.0%</b>	<b>29.97%</b>	<b>0.00097</b>	<b>375</b>	<b>1.000</b>	<b>5.03</b>	<b>5.03</b>	<b>1.83</b>	<b>43.92</b>	<b>8.01</b>	<b>1.11</b>	<b>16.79</b>	<b>75%</b>
DMT 9517	7.73	68.00%	0.0%	68.0%	0.0%	26.00%	0.00049	375	1.000	5.26	5.26	0.97	23.18	4.23	0.50	20.22	75%
S2790	7.02	100.00%	0.0%	100.00%	0.0%	0.00%	0.00049	375	1.000	7.02	7.02	1.29	30.97	5.65	0.00	N/A	75%
<b>R-T-S</b>	<b>7.38</b>	<b>83.23%</b>	<b>0.0%</b>	<b>83.23%</b>	<b>0.0%</b>	<b>13.00%</b>	<b>0.00097</b>	<b>375</b>	<b>1.000</b>	<b>6.14</b>	<b>6.14</b>	<b>2.23</b>	<b>53.60</b>	<b>9.78</b>	<b>0.49</b>	<b>47.23</b>	<b>75%</b>
UHD46KP	8.20	67.00%	0.0%	67.0%	0.0%	33.00%	0.00073	375	1.000	5.49	5.49	1.50	36.10	6.59	0.81	16.65	75%
MEK/ Isobutylacetate	7.00	100.00%	0.0%	100.00%	0.0%	0.00%	0.00024	375	1.000	7.00	7.00	0.63	15.12	2.76	0.00	N/A	75%
<b>R-T-S</b>	<b>7.90</b>	<b>74.23%</b>	<b>0.0%</b>	<b>74.23%</b>	<b>0.0%</b>	<b>24.84%</b>	<b>0.00097</b>	<b>375</b>	<b>1.000</b>	<b>5.87</b>	<b>5.87</b>	<b>2.13</b>	<b>51.21</b>	<b>9.35</b>	<b>0.81</b>	<b>23.62</b>	<b>75%</b>
											<b>Worst Case:</b>	<b>2.23</b>	<b>53.6</b>	<b>9.78</b>	<b>1.84</b>		
<b>12</b>																	
DMT 9517	7.73	68.00%	0.0%	68.0%	0.0%	26.00%	0.00065	375	1.000	5.26	5.26	1.28	30.75	5.61	0.66	20.22	75%
S2790	7.02	100.00%	0.0%	100.00%	0.0%	0.00%	0.00032	375	1.000	7.02	7.02	0.84	20.22	3.69	0.00	N/A	75%
<b>R-T-S</b>	<b>7.50</b>	<b>77.89%</b>	<b>0.0%</b>	<b>77.89%</b>	<b>0.0%</b>	<b>17.42%</b>	<b>0.00097</b>	<b>375</b>	<b>1.000</b>	<b>5.84</b>	<b>5.84</b>	<b>2.12</b>	<b>50.97</b>	<b>9.30</b>	<b>0.66</b>	<b>33.51</b>	<b>75%</b>
<b>DEM9440</b>	<b>7.91</b>	<b>68.00%</b>	<b>0.0%</b>	<b>68.0%</b>	<b>0.0%</b>	<b>23.00%</b>	<b>0.00097</b>	<b>375</b>	<b>1.000</b>	<b>5.38</b>	<b>5.38</b>	<b>1.96</b>	<b>46.96</b>	<b>8.57</b>	<b>1.01</b>	<b>23.39</b>	<b>75%</b>
HD7CPB1 Paint-Clearcoat	8.25	46.00%	0.0%	46.0%	0.0%	51.00%	0.00065	375	1.000	3.80	3.80	0.93	22.20	4.05	1.19	7.44	75%
MEK/ Isobutylacetate	7.00	100.00%	0.0%	100.00%	0.0%	0.00%	0.00032	375	1.000	7.00	7.00	0.84	20.16	3.68	0.00	N/A	75%
<b>R-T-S</b>	<b>7.84</b>	<b>61.91%</b>	<b>0.0%</b>	<b>61.91%</b>	<b>0.0%</b>	<b>34.18%</b>	<b>0.00097</b>	<b>375</b>	<b>1.000</b>	<b>4.85</b>	<b>4.85</b>	<b>1.76</b>	<b>42.36</b>	<b>7.73</b>	<b>1.19</b>	<b>14.20</b>	<b>75%</b>
DBU88	8.09	54.09%	0.0%	54.1%	0.0%	39.82%	0.00065	375	1.000	4.38	4.38	1.07	25.60	4.67	0.99	10.99	75%
S2790	7.02	100.00%	0.0%	100.00%	0.0%	0.00%	0.00032	375	1.000	7.02	7.02	0.84	20.22	3.69	0.00	N/A	75%
<b>R-T-S</b>	<b>7.74</b>	<b>67.84%</b>	<b>0.0%</b>	<b>67.84%</b>	<b>0.0%</b>	<b>26.68%</b>	<b>0.00097</b>	<b>375</b>	<b>1.000</b>	<b>5.25</b>	<b>5.25</b>	<b>1.91</b>	<b>45.82</b>	<b>8.36</b>	<b>0.99</b>	<b>19.67</b>	<b>75%</b>
DCT3000	8.48	32.13%	0.0%	32.1%	0.0%	61.54%	0.00073	375	1.000	2.72	2.72	0.75	17.90	3.27	1.73	4.43	75%
Isobutylacetate	7.28	100.00%	0.0%	100.00%	0.0%	0.00%	0.00024	375	1.000	7.28	7.28	0.65	15.72	2.87	0.00	N/A	75%
<b>R-T-S</b>	<b>8.18</b>	<b>47.06%</b>	<b>0.0%</b>	<b>47.06%</b>	<b>0.0%</b>	<b>46.31%</b>	<b>0.00097</b>	<b>375</b>	<b>1.000</b>	<b>3.85</b>	<b>3.85</b>	<b>1.40</b>	<b>33.62</b>	<b>6.14</b>	<b>1.73</b>	<b>8.31</b>	<b>75%</b>
											<b>Worst Case:</b>	<b>2.12</b>	<b>51.0</b>	<b>9.30</b>	<b>1.73</b>		
<b>13</b>																	
UHD19KP-A Paint-Black	8.20	67.00%	0.0%	67.0%	0.0%	36.00%	0.00065	375	1.000	5.49	5.49	1.34	32.14	5.87	0.72	15.26	75%
MEK/ Isobutylacetate	7.00	100.00%	0.0%	100.00%	0.0%	0.00%	0.00032	375	1.000	7.00	7.00	0.84	20.16	3.68	0.00	N/A	75%
<b>R-T-S</b>	<b>7.80</b>	<b>76.76%</b>	<b>0.0%</b>	<b>76.76%</b>	<b>0.0%</b>	<b>24.12%</b>	<b>0.00097</b>	<b>375</b>	<b>1.000</b>	<b>5.99</b>	<b>5.99</b>	<b>2.18</b>	<b>52.30</b>	<b>9.54</b>	<b>0.72</b>	<b>24.83</b>	<b>75%</b>
DMT 9517	7.73	68.00%	0.0%	68.0%	0.0%	26.00%	0.00049	375	1.000	5.26	5.26	0.97	23.18	4.23	0.50	20.22	75%
S2790	7.02	100.00%	0.0%	100.00%	0.0%	0.00%	0.00049	375	1.000	7.02	7.02	1.29	30.97	5.65	0.00	N/A	75%
<b>R-T-S</b>	<b>7.38</b>	<b>83.23%</b>	<b>0.0%</b>	<b>83.23%</b>	<b>0.0%</b>	<b>13.00%</b>	<b>0.00097</b>	<b>375</b>	<b>1.000</b>	<b>6.14</b>	<b>6.14</b>	<b>2.23</b>	<b>53.60</b>	<b>9.78</b>	<b>0.49</b>	<b>47.23</b>	<b>75%</b>
<b>DEM 9440</b>	<b>7.91</b>	<b>68.00%</b>	<b>0.0%</b>	<b>68.0%</b>	<b>0.0%</b>	<b>23.00%</b>	<b>0.00097</b>	<b>375</b>	<b>1.000</b>	<b>5.38</b>	<b>5.38</b>	<b>1.96</b>	<b>46.96</b>	<b>8.57</b>	<b>1.01</b>	<b>23.39</b>	<b>75%</b>
HD18 MP-D	8.50	76.00%	0.0%	76.0%	0.0%	33.00%	0.00073	375	1.000	6.46	6.46	1.77	42.44	7.75	0.61	19.58	75%
Toluene	7.26	100.00%	0.0%	100.00%	0.0%	0.00%	0.00024	375	1.000	7.26	7.26	0.65	15.67	2.86	0.00	N/A	75%
<b>R-T-S</b>	<b>8.19</b>	<b>81.26%</b>	<b>0.0%</b>	<b>81.26%</b>	<b>0.0%</b>	<b>24.84%</b>	<b>0.00097</b>	<b>375</b>	<b>1.000</b>	<b>6.66</b>	<b>6.66</b>	<b>2.42</b>	<b>58.11</b>	<b>10.61</b>	<b>0.61</b>	<b>26.80</b>	<b>75%</b>
UHD46KP	8.20	67.00%	0.0%	67.0%	0.0%	33.00%	0.00073	375	1.000	5.49	5.49	1.50	36.10	6.59	0.81	16.65	75%
MEK/ Isobutylacetate	7.00	100.00%	0.0%	100.00%	0.0%	0.00%	0.00024	375	1.000	7.00	7.00	0.63	15.12	2.76	0.00	N/A	75%
<b>R-T-S</b>	<b>7.90</b>	<b>74.23%</b>	<b>0.0%</b>	<b>74.23%</b>	<b>0.0%</b>	<b>24.84%</b>	<b>0.00097</b>	<b>375</b>	<b>1.000</b>	<b>5.87</b>	<b>5.87</b>	<b>2.13</b>	<b>51.21</b>	<b>9.35</b>	<b>0.81</b>	<b>23.62</b>	<b>75%</b>
											<b>Worst Case:</b>	<b>2.42</b>	<b>58.1</b>	<b>10.61</b>	<b>1.01</b>		

Material	Density (lb/gal)	Weight % Volatile (H2O & Organics)	Weight % Water	Weight % Organics	Volume % Water	Volume % Non-Vol (solids)	Gal of Mat (gal/unit)	Maximum (unit/hour)	Flash-off (fraction)	Pounds VOC per gallon of coating less water	Pounds VOC per gallon of coating	Potential VOC pounds per hour	Potential VOC pounds per day	Potential VOC tons per year	Particulate Potential tons per year	lb VOC /gal solids	Transfer Efficiency
<b>ZJR</b>																	
AE261-31009	7.87	68.63%	0.0%	68.6%	0.0%	22.96%	0.00667	180	1.000	5.40	5.40	6.48	155.57	28.39	3.24	23.52	75%
S2791	6.62	100.00%	0.0%	100.00%	0.0%	0.00%	0.00333	180	1.000	6.62	6.62	3.97	95.23	17.38	0.00	N/A	75%
R-T-S	7.45	77.91%	0.0%	77.91%	0.0%	15.31%	0.01000	180	1.000	5.81	5.81	10.45	250.80	45.77	3.24	37.92	75%
AE261-30020	8.30	64.01%	0.0%	64.0%	0.0%	24.24%	0.00667	180	1.000	5.31	5.31	6.38	153.11	27.94	3.93	21.92	75%
S2791	6.62	100.00%	0.0%	100.00%	0.0%	0.00%	0.00333	180	1.000	6.62	6.62	3.97	95.23	17.38	0.00	N/A	75%
R-T-S	7.74	74.25%	0.0%	74.25%	0.0%	16.17%	0.01000	180	1.000	5.75	5.75	10.35	248.34	45.32	3.93	35.55	75%
AE261-30155	7.84	67.99%	0.0%	68.0%	0.0%	24.06%	0.00667	180	1.000	5.33	5.33	6.40	153.51	28.02	3.30	22.15	75%
S2791	6.62	100.00%	0.0%	100.00%	0.0%	0.00%	0.00333	180	1.000	6.62	6.62	3.97	95.23	17.38	0.00	N/A	75%
R-T-S	7.43	77.49%	0.0%	77.49%	0.0%	16.04%	0.01000	180	1.000	5.76	5.76	10.36	248.75	45.40	3.30	35.89	75%
AE261-30012	8.03	66.44%	0.0%	66.4%	0.0%	23.79%	0.00667	180	1.000	5.33	5.33	6.40	153.64	28.04	3.54	22.42	75%
S2791	6.62	100.00%	0.0%	100.00%	0.0%	0.00%	0.00333	180	1.000	6.62	6.62	3.97	95.23	17.38	0.00	N/A	75%
R-T-S	7.56	76.23%	0.0%	76.23%	0.0%	15.87%	0.01000	180	1.000	5.76	5.76	10.37	248.87	45.42	3.54	36.31	75%
AE261-30349	8.57	60.99%	0.0%	61.0%	0.0%	25.47%	0.00667	180	1.000	5.22	5.22	6.27	150.55	27.48	4.39	20.52	75%
S2791	6.62	100.00%	0.0%	100.00%	0.0%	0.00%	0.00333	180	1.000	6.62	6.62	3.97	95.23	17.38	0.00	N/A	75%
R-T-S	7.92	71.85%	0.0%	71.85%	0.0%	16.99%	0.01000	180	1.000	5.69	5.69	10.24	245.79	44.86	4.39	33.50	75%
											Worst Case:	10.5	251	45.8	4.39		
<b>ZJM</b>																	
AE261-31009	7.87	68.63%	0.0%	68.6%	0.0%	22.96%	0.00053	60	1.000	5.40	5.40	0.17	4.12	0.75	0.09	23.52	75%
S2791	6.62	100.00%	0.0%	100.00%	0.0%	0.00%	0.00018	60	1.000	6.62	6.62	0.07	1.72	0.31	0.00	N/A	75%
R-T-S	7.55	75.60%	0.0%	75.60%	0.0%	17.14%	0.00070	60	1.000	5.71	5.71	0.24	5.75	1.05	0.08	33.31	75%
80261N874	7.20	82.00%	0.0%	82.0%	0.0%	12.00%	0.00047	60	1.000	5.90	5.90	0.17	4.00	0.73	0.04	49.20	75%
S2791	6.62	100.00%	0.0%	100.00%	0.0%	0.00%	0.00023	60	1.000	6.62	6.62	0.09	2.19	0.40	0.00	N/A	75%
R-T-S	7.01	87.59%	0.0%	87.59%	0.0%	8.06%	0.00070	60	1.000	6.14	6.14	0.26	6.19	1.13	0.04	76.20	75%
89062N420	8.60	56.00%	0.0%	56.0%	0.0%	28.00%	0.00035	60	1.000	4.82	4.82	0.10	2.43	0.44	0.09	17.20	75%
S2791	6.62	100.00%	0.0%	100.00%	0.0%	0.00%	0.00035	60	1.000	6.62	6.62	0.14	3.34	0.61	0.00	N/A	75%
R-T-S	7.61	75.14%	0.0%	75.14%	0.0%	14.00%	0.00070	60	1.000	5.72	5.72	0.24	5.76	1.05	0.09	40.84	75%
AE26130020	8.30	64.01%	0.0%	64.0%	0.0%	24.24%	0.00047	60	1.000	5.31	5.31	0.15	3.60	0.66	0.09	21.91	75%
S2791	6.62	100.00%	0.0%	100.00%	0.0%	0.00%	0.00023	60	1.000	6.62	6.62	0.09	2.19	0.40	0.00	N/A	75%
R-T-S	7.75	74.11%	0.0%	74.11%	0.0%	16.28%	0.00070	60	1.000	5.74	5.74	0.24	5.79	1.06	0.09	35.28	75%
AE 26130890	7.88	69.51%	0.0%	69.5%	0.0%	22.40%	0.00047	60	1.000	5.48	5.48	0.15	3.71	0.68	0.07	24.46	75%
S2791	6.62	100.00%	0.0%	100.00%	0.0%	0.00%	0.00023	60	1.000	6.62	6.62	0.09	2.19	0.40	0.00	N/A	75%
R-T-S	7.47	78.39%	0.0%	78.39%	0.0%	15.04%	0.00070	60	1.000	5.85	5.85	0.25	5.90	1.08	0.07	38.92	75%
											Worst Case:	0.26	6.19	1.13	0.09		
<b>A</b>																	
Arc 26792	7.99	71.39%	0.0%	71.4%	0.0%	15.12%	0.00144	950	1.000	5.71	5.71	7.81	187.33	34.19	3.43	37.75	75%
Toluene	7.26	100.00%	0.0%	100.00%	0.0%	0.00%	0.00144	950	1.000	7.26	7.26	9.93	238.22	43.48	0.00	N/A	75%
R-T-S	7.62	85.00%	0.0%	85.00%	0.0%	7.56%	0.00287	950	1.000	6.48	6.48	17.67	424.07	77.39	3.41	85.75	75%
DMT35838	8.09	64.27%	0.0%	64.3%	0.0%	27.38%	0.00144	950	1.000	5.20	5.20	7.11	170.71	31.15	4.33	18.99	75%
S2790	7.02	100.00%	0.0%	100.00%	0.0%	0.00%	0.00144	950	1.000	7.02	7.02	9.61	230.56	42.08	0.00	N/A	75%
R-T-S	7.56	80.87%	0.0%	80.87%	0.0%	13.69%	0.00287	950	1.000	6.11	6.11	16.66	399.87	72.98	4.31	44.64	75%
UHD 45MP Paint-Argent	8.10	59.00%	0.0%	59.0%	0.0%	33.00%	0.00191	950	1.000	4.78	4.78	8.67	208.12	37.98	6.60	14.48	75%
MEK/ Isobutylacetate	7.00	100.00%	0.0%	100.00%	0.0%	0.00%	0.00096	950	1.000	7.00	7.00	6.38	153.19	27.96	0.00	N/A	75%
R-T-S	7.73	71.41%	0.0%	71.41%	0.0%	21.96%	0.00287	950	1.000	5.52	5.52	15.05	361.31	65.94	6.60	25.14	75%
LE19353	8.66	48.55%	0.0%	48.5%	0.0%	40.98%	0.00191	950	1.000	4.21	4.21	7.63	183.16	33.43	8.86	10.26	75%
S1305	7.35	100.00%	0.0%	100.00%	0.0%	0.00%	0.00096	950	1.000	7.35	7.35	6.70	160.82	29.35	0.00	N/A	75%
R-T-S	8.22	63.93%	0.0%	63.93%	0.0%	27.27%	0.00287	950	1.000	5.26	5.26	14.33	343.99	62.78	8.86	19.28	75%
LE19800	7.85	48.46%	0.0%	48.5%	0.0%	40.66%	0.00144	950	1.000	3.80	3.80	5.20	124.89	22.79	6.06	9.36	75%
MEK	6.72	100.00%	0.0%	100.00%	0.0%	0.00%	0.00144	950	1.000	6.72	6.72	9.20	220.70	40.28	0.00	N/A	75%
R-T-S	7.29	72.23%	0.0%	72.23%	0.0%	20.33%	0.00287	950	1.000	5.26	5.26	14.35	344.39	62.85	6.04	25.89	75%
											Worst Case:	17.7	424	77.4	8.86		
<b>B</b>																	
UHD 45MP Paint-Argent	8.10	59.00%	0.0%	59.0%	0.0%	33.00%	0.00373	750	1.000	4.78	4.78	13.37	320.86	58.56	10.17	14.48	75%
MEK/ Isobutylacetate	7.00	100.00%	0.0%	100.00%	0.0%	0.00%	0.00373	750	1.000	7.00	7.00	19.58	469.91	85.76	0.00	N/A	75%
R-T-S	7.55	78.01%	0.0%	78.01%	0.0%	16.50%	0.00746	750	1.000	5.89	5.89	32.95	790.77	144.32	10.17	35.69	75%
DMT35838	8.09	64.27%	0.0%	64.3%	0.0%	27.38%	0.00373	750	1.000	5.20	5.20	14.55	349.09	63.71	8.85	18.99	75%
S2791	6.62	100.00%	0.0%	100.00%	0.0%	0.00%	0.00373	750	1.000	6.62	6.62	18.52	444.47	81.12	0.00	N/A	75%
R-T-S	7.36	80.35%	0.0%	80.35%	0.0%	13.69%	0.00746	750	1.000	5.91	5.91	33.06	793.56	144.82	8.85	43.17	75%
LE20061	7.92	65.44%	0.0%	65.4%	0.0%	27.85%	0.00746	750	1.000	5.18	5.18	29.01	696.20	127.06	16.77	18.62	75%
CB34415	8.41	38.06%	0.0%	38.1%	0.0%	59.89%	0.00597	750	1.000	3.20	3.20	14.33	343.96	62.77	25.54	5.34	75%
Isobutylacetate	7.28	100.00%	0.0%	100.00%	0.0%	0.00%	0.00149	750	1.000	7.28	7.28	8.13	195.14	35.61	0.00	N/A	75%
R-T-S	8.18	49.06%	0.0%	49.06%	0.0%	47.93%	0.00746	750	1.000	4.01	4.01	22.46	539.10	98.39	25.54	8.38	75%
LE21534	8.99	45.00%	0.0%	45.0%	0.0%	43.10%	0.00497	750	1.000	4.04	4.04	15.07	361.76	66.02	20.17	9.38	75%
SV4167	7.34	100.00%	0.0%	100.00%	0.0%	0.00%	0.00249	750	1.000	7.34	7.34	13.71	328.94	60.03	0.00	N/A	75%
R-T-S	8.44	60.97%	0.0%	60.97%	0.0%	28.71%	0.00746	750	1.000	5.14	5.14	28.78	698.70	126.05	20.17	17.91	75%
											Worst Case:	33.1	794	145	25.5		

Material	Density (lb/gal)	Weight % Volatile (H2O & Organics)	Weight % Water	Weight % Organics	Volume % Water	Volume % Non-Vol (solids)	Gal of Mat (gal/unit)	Maximum (unit/hour)	Flash-off (fraction)	Pounds VOC per gallon of coating less water	Pounds VOC per gallon of coating	Potential VOC pounds per hour	Potential VOC pounds per day	Potential VOC tons per year	Particulate Potential tons per year	lb VOC /gal solids	Transfer Efficiency
<b>C</b>																	
UHD 45MP Paint-Argent	8.10	59.00%	0.0%	59.0%	0.0%	33.00%	0.00373	750	1.000	4.78	4.78	13.37	320.86	58.56	10.17	14.48	75%
MEK/ Isobutylacetate	7.00	100.00%	0.0%	100.00%	0.0%	0.00%	0.00373	750	1.000	7.00	7.00	19.58	469.91	85.76	0.00	N/A	75%
<b>R-T-S</b>	<b>7.55</b>	<b>78.01%</b>	<b>0.0%</b>	<b>78.01%</b>	<b>0.0%</b>	<b>16.50%</b>	<b>0.00746</b>	<b>750</b>	<b>1.000</b>	<b>5.89</b>	<b>5.89</b>	<b>32.95</b>	<b>790.77</b>	<b>144.32</b>	<b>10.17</b>	<b>35.69</b>	<b>75%</b>
DMT35838	8.09	64.27%	0.0%	64.3%	0.0%	27.38%	0.00373	750	1.000	5.20	5.20	14.55	349.09	63.71	8.85	18.99	75%
S2790	7.02	100.00%	0.0%	100.00%	0.0%	0.00%	0.00373	750	1.000	7.02	7.02	19.64	471.48	86.04	0.00	N/A	75%
<b>R-T-S</b>	<b>7.66</b>	<b>80.87%</b>	<b>0.0%</b>	<b>80.87%</b>	<b>0.0%</b>	<b>13.69%</b>	<b>0.00746</b>	<b>750</b>	<b>1.000</b>	<b>6.11</b>	<b>6.11</b>	<b>34.19</b>	<b>820.57</b>	<b>149.75</b>	<b>8.85</b>	<b>44.64</b>	<b>75%</b>
<b>LE20061</b>	<b>7.92</b>	<b>65.44%</b>	<b>0.0%</b>	<b>65.4%</b>	<b>0.0%</b>	<b>27.85%</b>	<b>0.00746</b>	<b>750</b>	<b>1.000</b>	<b>5.18</b>	<b>5.18</b>	<b>29.01</b>	<b>696.20</b>	<b>127.06</b>	<b>16.77</b>	<b>18.62</b>	<b>75%</b>
CBC34415	8.41	38.06%	0.0%	38.1%	0.0%	59.89%	0.00597	750	1.000	3.20	3.20	14.33	343.96	62.77	25.54	5.34	75%
Isobutylacetate	7.28	100.00%	0.0%	100.00%	0.0%	0.00%	0.00149	750	1.000	7.28	7.28	8.13	195.14	35.61	0.00	N/A	75%
<b>R-T-S</b>	<b>8.18</b>	<b>49.06%</b>	<b>0.0%</b>	<b>49.06%</b>	<b>0.0%</b>	<b>47.93%</b>	<b>0.00746</b>	<b>750</b>	<b>1.000</b>	<b>4.01</b>	<b>4.01</b>	<b>22.46</b>	<b>539.10</b>	<b>98.39</b>	<b>25.54</b>	<b>8.38</b>	<b>75%</b>
CBC35626	8.27	38.44%	0.0%	38.4%	0.0%	53.31%	0.00597	750	1.000	3.18	3.18	14.23	341.61	62.34	24.96	5.96	75%
Isobutylacetate	7.28	100.00%	0.0%	100.00%	0.0%	0.00%	0.00149	750	1.000	7.28	7.28	8.13	195.14	35.61	0.00	N/A	75%
<b>R-T-S</b>	<b>8.07</b>	<b>49.52%</b>	<b>0.0%</b>	<b>49.52%</b>	<b>0.0%</b>	<b>42.66%</b>	<b>0.00746</b>	<b>750</b>	<b>1.000</b>	<b>4.00</b>	<b>4.00</b>	<b>22.36</b>	<b>536.75</b>	<b>97.96</b>	<b>24.96</b>	<b>9.37</b>	<b>75%</b>
											<b>Worst Case:</b>	<b>34.2</b>	<b>821</b>	<b>150</b>	<b>25.5</b>		
<b>D</b>																	
UHD 45MP Paint-Argent	8.10	59.00%	0.0%	59.0%	0.0%	33.00%	0.00560	750	1.000	4.78	4.78	20.07	481.72	87.91	15.27	14.48	75%
MEK/ Isobutylacetate	7.00	100.00%	0.0%	100.00%	0.0%	0.00%	0.00187	750	1.000	7.00	7.00	9.82	235.58	42.99	0.00	N/A	75%
<b>R-T-S</b>	<b>7.82</b>	<b>68.18%</b>	<b>0.0%</b>	<b>68.18%</b>	<b>0.0%</b>	<b>24.74%</b>	<b>0.00746</b>	<b>750</b>	<b>1.000</b>	<b>5.33</b>	<b>5.33</b>	<b>29.85</b>	<b>716.35</b>	<b>130.73</b>	<b>15.25</b>	<b>21.56</b>	<b>75%</b>
DMT35838	8.09	64.27%	0.0%	64.3%	0.0%	27.38%	0.00497	750	1.000	5.20	5.20	19.38	465.14	84.89	11.80	18.99	75%
S2790	7.02	100.00%	0.0%	100.00%	0.0%	0.00%	0.00249	750	1.000	7.02	7.02	13.11	314.74	57.44	0.00	N/A	75%
<b>R-T-S</b>	<b>7.73</b>	<b>75.10%</b>	<b>0.0%</b>	<b>75.10%</b>	<b>0.0%</b>	<b>18.24%</b>	<b>0.00746</b>	<b>750</b>	<b>1.000</b>	<b>5.81</b>	<b>5.81</b>	<b>32.50</b>	<b>779.88</b>	<b>142.33</b>	<b>11.80</b>	<b>31.84</b>	<b>75%</b>
<b>LE20061</b>	<b>7.92</b>	<b>65.44%</b>	<b>0.0%</b>	<b>65.4%</b>	<b>0.0%</b>	<b>27.85%</b>	<b>0.00746</b>	<b>750</b>	<b>1.000</b>	<b>5.18</b>	<b>5.18</b>	<b>29.01</b>	<b>696.20</b>	<b>127.06</b>	<b>16.77</b>	<b>18.62</b>	<b>75%</b>
DCT3000	8.48	32.13%	0.0%	32.1%	0.0%	61.54%	0.00597	750	1.000	2.72	2.72	12.20	292.79	53.43	28.22	4.43	75%
Isobutylacetate	7.28	100.00%	0.0%	100.00%	0.0%	0.00%	0.00149	750	1.000	7.28	7.28	8.13	195.14	35.61	0.00	N/A	75%
<b>R-T-S</b>	<b>8.24</b>	<b>44.10%</b>	<b>0.0%</b>	<b>44.10%</b>	<b>0.0%</b>	<b>49.25%</b>	<b>0.00746</b>	<b>750</b>	<b>1.000</b>	<b>3.63</b>	<b>3.63</b>	<b>20.33</b>	<b>487.93</b>	<b>89.05</b>	<b>28.22</b>	<b>7.38</b>	<b>75%</b>
LE19825	8.44	42.59%	0.0%	42.6%	0.0%	48.55%	0.00497	750	1.000	3.60	3.60	13.40	321.61	58.69	19.78	7.41	75%
S1305	7.35	100.00%	0.0%	100.00%	0.0%	0.00%	0.00249	750	1.000	7.35	7.35	13.72	329.32	60.10	0.00	N/A	75%
<b>R-T-S</b>	<b>8.08</b>	<b>60.02%</b>	<b>0.0%</b>	<b>60.02%</b>	<b>0.0%</b>	<b>32.34%</b>	<b>0.00746</b>	<b>750</b>	<b>1.000</b>	<b>4.85</b>	<b>4.85</b>	<b>27.12</b>	<b>650.93</b>	<b>118.79</b>	<b>19.78</b>	<b>14.99</b>	<b>75%</b>
											<b>Worst Case:</b>	<b>32.5</b>	<b>780</b>	<b>142</b>	<b>28.2</b>		
<b>E</b>																	
HD7CPB1 Paint-Clearcoat	8.25	46.00%	0.0%	46.0%	0.0%	51.00%	0.00713	750	1.000	3.80	3.80	20.29	487.05	88.89	26.09	7.44	75%
MEK/ Isobutylacetate	7.00	100.00%	0.0%	100.00%	0.0%	0.00%	0.00238	750	1.000	7.00	7.00	12.49	299.83	54.72	0.00	N/A	75%
<b>R-T-S</b>	<b>7.94</b>	<b>57.92%</b>	<b>0.0%</b>	<b>57.92%</b>	<b>0.0%</b>	<b>38.24%</b>	<b>0.00951</b>	<b>750</b>	<b>1.000</b>	<b>4.60</b>	<b>4.60</b>	<b>32.79</b>	<b>786.88</b>	<b>143.61</b>	<b>26.09</b>	<b>12.02</b>	<b>75%</b>
LE19929	7.92	65.49%	0.0%	65.5%	0.0%	27.78%	0.00713	750	1.000	5.19	5.19	27.75	665.98	121.54	16.01	18.68	75%
MAK	6.84	100.00%	0.0%	100.00%	0.0%	0.00%	0.00238	750	1.000	6.84	6.84	12.21	292.97	53.47	0.00	N/A	75%
<b>R-T-S</b>	<b>7.65</b>	<b>73.21%</b>	<b>0.0%</b>	<b>73.21%</b>	<b>0.0%</b>	<b>20.83%</b>	<b>0.00951</b>	<b>750</b>	<b>1.000</b>	<b>5.60</b>	<b>5.60</b>	<b>39.96</b>	<b>958.95</b>	<b>175.01</b>	<b>16.01</b>	<b>26.89</b>	<b>75%</b>
<b>LE20061</b>	<b>7.92</b>	<b>65.44%</b>	<b>0.0%</b>	<b>65.4%</b>	<b>0.0%</b>	<b>27.85%</b>	<b>0.00951</b>	<b>750</b>	<b>1.000</b>	<b>5.18</b>	<b>5.18</b>	<b>36.98</b>	<b>887.52</b>	<b>161.97</b>	<b>21.38</b>	<b>18.62</b>	<b>75%</b>
DBU 88	8.09	54.09%	0.0%	54.1%	0.0%	39.82%	0.00713	750	1.000	4.38	4.38	23.40	561.60	102.49	21.75	10.99	75%
S2790	7.02	100.00%	0.0%	100.00%	0.0%	0.00%	0.00238	750	1.000	7.02	7.02	12.53	300.83	54.90	0.00	N/A	75%
<b>R-T-S</b>	<b>7.82</b>	<b>64.40%</b>	<b>0.0%</b>	<b>64.40%</b>	<b>0.0%</b>	<b>29.85%</b>	<b>0.00951</b>	<b>750</b>	<b>1.000</b>	<b>5.04</b>	<b>5.04</b>	<b>35.93</b>	<b>862.44</b>	<b>157.39</b>	<b>21.75</b>	<b>16.88</b>	<b>75%</b>
DCT3000	8.48	32.13%	0.0%	32.1%	0.0%	61.34%	0.00761	750	1.000	2.72	2.72	15.55	373.22	68.11	35.97	4.44	75%
Isobutylacetate	7.28	100.00%	0.0%	100.00%	0.0%	0.00%	0.00190	750	1.000	7.28	7.28	10.37	248.83	45.41	0.00	N/A	75%
<b>R-T-S</b>	<b>8.24</b>	<b>44.10%</b>	<b>0.0%</b>	<b>44.10%</b>	<b>0.0%</b>	<b>49.08%</b>	<b>0.00951</b>	<b>750</b>	<b>1.000</b>	<b>3.63</b>	<b>3.63</b>	<b>25.92</b>	<b>622.05</b>	<b>113.52</b>	<b>35.97</b>	<b>7.40</b>	<b>75%</b>
											<b>Worst Case:</b>	<b>40.0</b>	<b>959</b>	<b>175</b>	<b>36.0</b>		
<b>F</b>																	
UHD19KP-A	8.20	67.00%	0.0%	67.0%	0.0%	36.00%	0.00634	375	1.000	5.49	5.49	13.06	313.49	57.21	7.04	15.26	75%
MEK/ Isobutylacetate	7.00	100.00%	0.0%	100.00%	0.0%	0.00%	0.00317	375	1.000	7.00	7.00	8.32	199.68	36.44	0.00	N/A	75%
<b>R-T-S</b>	<b>7.80</b>	<b>76.87%</b>	<b>0.0%</b>	<b>76.87%</b>	<b>0.0%</b>	<b>24.00%</b>	<b>0.00951</b>	<b>375</b>	<b>1.000</b>	<b>6.00</b>	<b>6.00</b>	<b>21.38</b>	<b>513.17</b>	<b>93.65</b>	<b>7.04</b>	<b>24.98</b>	<b>75%</b>
DMT 9517	7.73	68.00%	0.0%	68.0%	0.0%	26.00%	0.00634	375	1.000	5.26	5.26	12.50	299.93	54.74	6.44	20.22	75%
MEK/ Isobutylacetate	7.00	100.00%	0.0%	100.00%	0.0%	0.00%	0.00317	375	1.000	7.00	7.00	8.32	199.68	36.44	0.00	N/A	75%
<b>R-T-S</b>	<b>7.49</b>	<b>77.97%</b>	<b>0.0%</b>	<b>77.97%</b>	<b>0.0%</b>	<b>17.33%</b>	<b>0.00951</b>	<b>375</b>	<b>1.000</b>	<b>5.84</b>	<b>5.84</b>	<b>20.82</b>	<b>499.61</b>	<b>91.18</b>	<b>6.44</b>	<b>33.68</b>	<b>75%</b>
<b>DEM 9440</b>	<b>7.91</b>	<b>68.00%</b>	<b>0.0%</b>	<b>68.0%</b>	<b>0.0%</b>	<b>23.00%</b>	<b>0.00951</b>	<b>375</b>	<b>1.000</b>	<b>5.38</b>	<b>5.38</b>	<b>19.18</b>	<b>460.37</b>	<b>84.02</b>	<b>9.88</b>	<b>23.39</b>	<b>75%</b>
UHD45MP	8.10	59.00%	0.0%	59.0%	0.0%	33.00%	0.00634	375	1.000	4.78	4.78	11.36	272.69	49.77	8.65	14.48	75%
MEK/ Isobutylacetate	7.00	100.00%	0.0%	100.00%	0.0%	0.00%	0.00317	375	1.000	7.00	7.00	8.32	199.68	36.44	0.00	N/A	75%
<b>R-T-S</b>	<b>7.73</b>	<b>71.37%</b>	<b>0.0%</b>	<b>71.37%</b>	<b>0.0%</b>	<b>22.00%</b>	<b>0.00951</b>	<b>375</b>	<b>1.000</b>	<b>5.52</b>	<b>5.52</b>	<b>19.68</b>	<b>472.37</b>	<b>86.21</b>	<b>8.65</b>	<b>25.09</b>	<b>75%</b>
											<b>Worst Case:</b>	<b>21.4</b>	<b>513</b>	<b>93.7</b>	<b>9.88</b>		

Material	Density (lb/gal)	Weight % Volatile (H2O & Organics)	Weight % Water	Weight % Organics	Volume % Water	Volume % Non-Vol (solids)	Gal of Mat (gal/unit)	Maximum (unit/hour)	Flash-off (fraction)	Pounds VOC per gallon of coating less water	Pounds VOC per gallon of coating	Potential VOC pounds per hour	Potential VOC pounds per day	Potential VOC tons per year	Particulate Potential tons per year	lb VOC /gal solids	Transfer Efficiency
G																	
UHD19KP-A	8.20	67.00%	0.0%	67.0%	0.0%	36.00%	0.00634	375	1.000	5.49	5.49	13.06	313.49	57.21	7.04	15.26	75%
MEK/ Isobutylacetate	7.00	100.00%	0.0%	100.00%	0.0%	0.00%	0.00317	375	1.000	7.00	7.00	8.32	199.68	36.44	0.00	N/A	75%
R-T-S	7.80	76.87%	0.0%	76.87%	0.0%	24.00%	0.00951	375	1.000	6.00	6.00	21.38	513.17	93.65	7.04	24.98	75%
DMT 9517	7.73	68.00%	0.0%	68.0%	0.0%	26.00%	0.00476	375	1.000	5.26	5.26	9.38	225.18	41.10	4.83	20.22	75%
MEK/ Isobutylacetate	7.00	100.00%	0.0%	100.00%	0.0%	0.00%	0.00476	375	1.000	7.00	7.00	12.49	299.83	54.72	0.00	N/A	75%
R-T-S	7.36	83.21%	0.0%	83.21%	0.0%	13.00%	0.00951	375	1.000	6.13	6.13	21.85	524.47	95.72	4.83	47.14	75%
DEM 9440	7.91	68.00%	0.0%	68.0%	0.0%	23.00%	0.00951	375	1.000	5.38	5.38	19.18	460.37	84.02	9.88	23.39	75%
UHD45MP	8.10	59.00%	0.0%	59.0%	0.0%	33.00%	0.00634	375	1.000	4.78	4.78	11.36	272.69	49.77	8.65	14.48	75%
MEK/ Isobutylacetate	7.00	100.00%	0.0%	100.00%	0.0%	0.00%	0.00317	375	1.000	7.00	7.00	8.32	199.68	36.44	0.00	N/A	75%
R-T-S	7.73	71.37%	0.0%	71.37%	0.0%	22.00%	0.00951	375	1.000	5.52	5.52	19.68	472.37	86.21	8.65	25.09	75%
Worst Case:												21.9	524	95.7	9.88		
State Potential Emissions																	
												293	7037	1284	191		

## HAP Emission Calculations

**Company Name:** Textron Automotive Company  
**Plant Location:** 2782 East U.S. Highway 52, Morristown, IN 46161  
**County:** Shelby  
**Part 70:** T145-7514  
**Pit ID:** 145-00033  
**Permit Reviewer:** CarrieAnn Ortolani  
**Date:** December 13, 1996

Material	Density (lb/gal)	Gal of Mat (gal/unit)	Maximum (unit/hour)	Weight % MEK	Weight % Toluene	Weight % MIBK	Weight % Ethyl benzene	Weight % Xylene	Weight % Glycol Ethers	Weight % Methanol	MEK Emissions (tons/yr)	Toluene Emissions (tons/yr)	MIBK Emissions (tons/yr)	Ethyl benzene Emissions (tons/yr)	Xylene Emissions (tons/yr)	Glycol Ethers Emissions (tons/yr)	Methanol Emissions (tons/yr)	Total Emissions (tons/yr)
<b>HA5</b>																		
CBC 51298	8.25	0.00160	625	0.00%	0.00%	2.00%	0.00%	2.00%	0.00%	0.00%	0.00	0.00	0.72	0.00	0.72	0.00	0.00	1.45
Isobutylacetate	7.28	0.00040	625	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>R-T-S</b>	<b>8.06</b>	<b>0.00200</b>	<b>625</b>															
DMT 9517	7.73	0.00133	625	25.00%	20.00%	0.00%	0.00%	0.00%	10.00%	0.00%	7.04	5.63	0.00	0.00	0.00	2.81	0.00	15.48
S2790	7.02	0.00067	625	27.80%	92.30%	3.82%	0.00%	0.00%	9.00%	0.00%	3.58	11.89	0.49	0.00	0.00	1.16	0.00	17.12
<b>R-T-S</b>	<b>7.49</b>	<b>0.00200</b>	<b>625</b>															
<b>HA6</b>											<b>10.6</b>	<b>17.5</b>	<b>0.72</b>	<b>0.00</b>	<b>0.72</b>	<b>3.97</b>	<b>0.00</b>	<b>32.6</b>
UHD19KP-A Paint-Black	8.20	0.00033	275	3.00%	16.00%	0.00%	0.00%	30.00%	0.00%	0.00%	0.10	0.52	0.00	0.00	0.98	0.00	0.00	1.60
MEK/ Isobutylacetate	7.00	0.00067	275	49.88%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	2.82	0.00	0.00	0.00	0.00	0.00	0.00	2.82
<b>R-T-S</b>	<b>7.40</b>	<b>0.00100</b>	<b>275</b>															
CBC 51298	8.25	0.00080	275	0.00%	0.00%	2.00%	0.00%	2.00%	0.00%	0.00%	0.00	0.00	0.16	0.00	0.16	0.00	0.00	0.32
Isobutylacetate	7.28	0.00020	275	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>R-T-S</b>	<b>8.06</b>	<b>0.00100</b>	<b>275</b>															
DMT 9517	7.73	0.00050	275	25.00%	20.00%	0.00%	0.00%	0.00%	10.00%	0.00%	1.16	0.93	0.00	0.00	0.00	0.47	0.00	2.56
S2790	7.02	0.00050	275	27.80%	92.30%	3.82%	0.00%	0.00%	9.00%	0.00%	1.18	3.90	0.16	0.00	0.00	0.38	0.00	5.62
<b>R-T-S</b>	<b>7.38</b>	<b>0.00100</b>	<b>275</b>															
<b>DEM 9440</b>	<b>7.91</b>	<b>0.00100</b>	<b>275</b>	0.00%	0.00%	20.00%	0.00%	0.00%	15.00%	0.00%	0.00	0.00	1.91	0.00	0.00	1.43	0.00	3.33
LE20096	8.28	0.00050	275	10.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.50
MEK	6.72	0.00050	275	99.75%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	4.04	0.00	0.00	0.00	0.00	0.00	0.00	4.04
<b>R-T-S</b>	<b>7.50</b>	<b>0.00100</b>	<b>275</b>															
											<b>4.54</b>	<b>4.83</b>	<b>1.91</b>	<b>0.00</b>	<b>0.98</b>	<b>1.43</b>	<b>0.00</b>	<b>8.18</b>
<b>HA7</b>																		
DMT 9517	7.73	0.00400	425	25.00%	20.00%	0.00%	0.00%	0.00%	10.00%	0.00%	14.39	11.51	0.00	0.00	0.00	5.76	0.00	31.66
S2790	7.02	0.00100	425	27.80%	92.30%	3.82%	0.00%	0.00%	9.00%	0.00%	3.63	12.07	0.50	0.00	0.00	1.18	0.00	17.38
<b>R-T-S</b>	<b>7.59</b>	<b>0.00500</b>	<b>425</b>															
<b>HS13</b>																		
283SL21537	8.04	0.00800	90	5.00%	10.00%	15.00%	5.00%	25.00%	0.00%	0.00%	1.27	2.54	3.80	1.27	6.34	0.00	0.00	15.21
S2790	7.02	0.00200	90	27.80%	92.30%	3.82%	0.00%	0.00%	9.00%	0.00%	1.54	5.11	0.21	0.00	0.00	0.50	0.00	7.36
<b>R-T-S</b>	<b>7.84</b>	<b>0.01000</b>	<b>90</b>															
<b>HS14</b>																		
283SL21537	8.04	0.00750	90	5.00%	10.00%	15.00%	5.00%	25.00%	0.00%	0.00%	1.19	2.38	3.57	1.19	5.94	0.00	0.00	14.26
MEK	6.72	0.00250	90	99.75%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	6.61	0.00	0.00	0.00	0.00	0.00	0.00	6.61
<b>R-T-S</b>	<b>7.71</b>	<b>0.01000</b>	<b>90</b>															
79071	7.86	0.00500	90	34.50%	34.50%	0.00%	0.00%	0.00%	0.00%	0.00%	5.34	5.34	0.00	0.00	0.00	0.00	0.00	10.69
MEK	6.72	0.00500	90	99.75%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	13.22	0.00	0.00	0.00	0.00	0.00	0.00	13.22
<b>R-T-S</b>	<b>7.29</b>	<b>0.01000</b>	<b>90</b>															
AE261-30349	8.57	0.00667	90	0.00%	0.00%	15.00%	0.00%	0.00%	15.00%	0.00%	0.00	0.00	3.38	0.00	0.00	3.38	0.00	6.76
S2790	7.02	0.00333	90	27.80%	92.30%	3.82%	0.00%	0.00%	9.00%	0.00%	2.56	8.51	0.35	0.00	0.00	0.83	0.00	12.25
<b>R-T-S</b>	<b>8.05</b>	<b>0.01000</b>	<b>90</b>								<b>18.6</b>	<b>8.51</b>	<b>3.73</b>	<b>1.19</b>	<b>5.94</b>	<b>4.21</b>	<b>0.00</b>	<b>23.9</b>

Material	Density (lb/gal)	Gal of Mat (gal/unit)	Maximum (unit/hour)	Weight % MEK	Weight % Toluene	Weight % MIBK	Weight % Ethyl benzene	Weight % Xylene	Weight % Glycol Ethers	Weight % Methanol	MEK Emissions (tons/yr)	Toluene Emissions (tons/yr)	MIBK Emissions (tons/yr)	Ethyl benzene Emissions (tons/yr)	Xylene Emissions (tons/yr)	Glycol Ethers Emissions (tons/yr)	Methanol Emissions (tons/yr)	Total Emissions (tons/yr)
<b>HS15</b>																		
SF14MAPD	8.39	0.00333	275	30.00%	0.00%	0.00%	0.00%	25.00%	0.00%	0.00%	10.10	0.00	0.00	0.00	8.41	0.00	0.00	18.51
MEK	6.72	0.00167	275	99.75%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	13.49	0.00	0.00	0.00	0.00	0.00	0.00	13.49
<b>R-T-S</b>	<b>7.83</b>	<b>0.00500</b>	<b>275</b>															
283SL21537	8.04	0.00333	275	5.00%	10.00%	15.00%	5.00%	25.00%	0.00%	0.00%	1.61	3.22	4.84	1.61	8.06	0.00	0.00	19.35
MEK	6.72	0.00167	275	99.75%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	13.49	0.00	0.00	0.00	0.00	0.00	0.00	13.49
<b>R-T-S</b>	<b>7.60</b>	<b>0.00500</b>	<b>275</b>															
283SL21978	8.12	0.00333	275	5.00%	0.00%	10.00%	5.00%	30.00%	0.00%	0.00%	1.63	0.00	3.26	1.63	9.78	0.00	0.00	16.29
MEK	6.72	0.00167	275	99.75%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	13.49	0.00	0.00	0.00	0.00	0.00	0.00	13.49
<b>R-T-S</b>	<b>7.66</b>	<b>0.00500</b>	<b>275</b>															
91103RTW7CC	9.30	0.00400	275	13.00%	8.00%	0.00%	0.00%	0.00%	8.00%	15.00%	5.82	3.58	0.00	0.00	0.00	3.58	6.72	19.72
S0473	7.30	0.00100	275	8.29%	8.90%	0.00%	0.00%	0.00%	0.00%	0.00%	0.73	0.78	0.00	0.00	0.00	0.00	0.00	1.51
<b>R-T-S</b>	<b>8.90</b>	<b>0.00500</b>	<b>275</b>															
87009RTW7CC	7.70	0.00333	275	22.00%	8.00%	0.00%	3.00%	0.00%	8.00%	14.00%	6.79	2.47	0.00	0.93	0.00	2.47	4.32	16.99
S0473	7.30	0.00167	275	8.29%	8.90%	0.00%	0.00%	0.00%	0.00%	0.00%	1.22	1.31	0.00	0.00	0.00	0.00	0.00	2.52
<b>R-T-S</b>	<b>7.57</b>	<b>0.00500</b>	<b>275</b>															
											<b>23.6</b>	<b>4.37</b>	<b>4.84</b>	<b>1.63</b>	<b>9.78</b>	<b>3.58</b>	<b>6.72</b>	<b>32.8</b>
<b>HS17</b>																		
79071	7.86	0.00750	75	34.50%	34.50%	0.00%	0.00%	0.00%	0.00%	0.00%	6.68	6.68	0.00	0.00	0.00	0.00	0.00	13.36
MEK	6.72	0.00750	75	99.75%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	16.52	0.00	0.00	0.00	0.00	0.00	0.00	16.52
<b>R-T-S</b>	<b>7.29</b>	<b>0.01500</b>	<b>75</b>															
93100RTW7CC	7.70	0.01000	75	24.00%	9.00%	0.00%	0.00%	0.00%	9.00%	17.00%	6.07	2.28	0.00	0.00	0.00	2.28	4.30	14.92
S0473	7.30	0.00500	75	8.29%	8.90%	0.00%	0.00%	0.00%	0.00%	0.00%	0.99	1.07	0.00	0.00	0.00	0.00	0.00	2.06
<b>R-T-S</b>	<b>7.57</b>	<b>0.01500</b>	<b>75</b>															
UR569	7.50	0.00750	75	40.00%	0.00%	0.00%	0.00%	0.00%	17.00%	0.00%	7.39	0.00	0.00	0.00	0.00	3.14	0.00	10.53
S0473	7.30	0.00750	75	8.29%	8.90%	0.00%	0.00%	0.00%	0.00%	0.00%	1.49	1.60	0.00	0.00	0.00	0.00	0.00	3.09
<b>R-T-S</b>	<b>7.40</b>	<b>0.01500</b>	<b>75</b>															
AE26130349	8.57	0.01000	75	0.00%	0.00%	15.00%	0.00%	0.00%	15.00%	0.00%	0.00	0.00	4.22	0.00	0.00	4.22	0.00	8.44
S2791	6.62	0.00500	75	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>R-T-S</b>	<b>7.92</b>	<b>0.01500</b>	<b>75</b>								<b>23.2</b>	<b>6.68</b>	<b>4.22</b>	<b>0.00</b>	<b>0.00</b>	<b>4.22</b>	<b>4.30</b>	<b>29.9</b>
<b>HS18</b>																		
79071	7.86	0.00750	75	34.50%	34.50%	0.00%	0.00%	0.00%	0.00%	0.00%	6.68	6.68	0.00	0.00	0.00	0.00	0.00	13.36
MEK	6.72	0.00750	75	99.75%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	16.52	0.00	0.00	0.00	0.00	0.00	0.00	16.52
<b>R-T-S</b>	<b>7.29</b>	<b>0.01500</b>	<b>75</b>															
283SL21537	8.04	0.01125	75	5.00%	10.00%	15.00%	5.00%	25.00%	0.00%	0.00%	1.49	2.97	4.46	1.49	7.43	0.00	0.00	17.83
MEK	6.72	0.00370	75	99.75%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	8.15	0.00	0.00	0.00	0.00	0.00	0.00	8.15
<b>R-T-S</b>	<b>7.71</b>	<b>0.01500</b>	<b>75</b>															
28SL21978	8.12	0.01000	75	5.00%	0.00%	10.00%	5.00%	30.00%	0.00%	0.00%	1.33	0.00	2.67	1.33	8.01	0.00	0.00	13.34
MEK	6.72	0.00500	75	99.75%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	11.01	0.00	0.00	0.00	0.00	0.00	0.00	11.01
<b>R-T-S</b>	<b>7.66</b>	<b>0.01500</b>	<b>75</b>															
26296V50129	7.70	0.01000	75	35.00%	35.00%	0.00%	0.00%	0.00%	5.00%	5.00%	8.85	8.85	0.00	0.00	0.00	1.26	1.26	20.24
MEK	6.72	0.00500	75	99.75%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	11.01	0.00	0.00	0.00	0.00	0.00	0.00	11.01
<b>R-T-S</b>	<b>7.37</b>	<b>0.01500</b>	<b>75</b>															
86191RTW7CC	7.60	0.01000	75	27.00%	9.00%	0.00%	0.00%	0.00%	0.00%	17.00%	6.74	2.25	0.00	0.00	0.00	0.00	4.24	13.23
MEK	6.72	0.00500	75	99.75%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	11.01	0.00	0.00	0.00	0.00	0.00	0.00	11.01
<b>R-T-S</b>	<b>7.31</b>	<b>0.01500</b>	<b>75</b>															
UR569	7.50	0.00750	75	40.00%	0.00%	0.00%	0.00%	0.00%	17.00%	0.00%	7.39	0.00	0.00	0.00	0.00	3.14	0.00	10.53
MEK	6.72	0.00750	75	99.75%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	16.52	0.00	0.00	0.00	0.00	0.00	0.00	16.52
<b>R-T-S</b>	<b>7.11</b>	<b>0.01500</b>	<b>75</b>								<b>23.9</b>	<b>8.85</b>	<b>4.46</b>	<b>1.49</b>	<b>8.01</b>	<b>3.14</b>	<b>4.24</b>	<b>31.2</b>

Material	Density (lb/gal)	Gal of Mat (gal/unit)	Maximum (unit/hour)	Weight % MEK	Weight % Toluene	Weight % MIBK	Weight % Ethyl benzene	Weight % Xylene	Weight % Glycol Ethers	Weight % Methanol	MEK Emissions (tons/yr)	Toluene Emissions (tons/yr)	MIBK Emissions (tons/yr)	Ethyl benzene Emissions (tons/yr)	Xylene Emissions (tons/yr)	Glycol Ethers Emissions (tons/yr)	Methanol Emissions (tons/yr)	Total Emissions (tons/yr)
<b>HS19</b>																		
79071	7.86	0.00013	10000	34.50%	34.50%	0.00%	0.00%	0.00%	0.00%	0.00%	15.44	15.44	0.00	0.00	0.00	0.00	0.00	30.88
MEK	6.72	0.00013	10000	99.75%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	38.18	0.00	0.00	0.00	0.00	0.00	0.00	38.18
<b>R-T-S</b>	<b>7.29</b>	<b>0.00025</b>	<b>10000</b>															
80261N874	7.20	0.00017	10000	45.20%	0.00%	8.90%	0.00%	1.70%	0.00%	0.00%	24.23	0.00	4.77	0.00	0.91	0.00	0.00	29.92
MEK	6.72	0.00008	10000	99.75%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	23.50	0.00	0.00	0.00	0.00	0.00	0.00	23.50
<b>R-T-S</b>	<b>7.05</b>	<b>0.00025</b>	<b>10000</b>															
60230W7E	7.50	0.00013	10000	17.00%	13.00%	0.00%	0.00%	0.00%	0.00%	18.00%	7.26	5.55	0.00	0.00	0.00	0.00	7.69	20.50
MEK	6.72	0.00013	10000	99.75%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	38.18	0.00	0.00	0.00	0.00	0.00	0.00	38.18
<b>R-T-S</b>	<b>7.11</b>	<b>0.00025</b>	<b>10000</b>															
89198N420	8.80	0.00017	10000	14.00%	9.00%	0.00%	0.00%	0.00%	0.00%	0.00%	9.17	5.90	0.00	0.00	0.00	0.00	0.00	15.07
MEK	6.72	0.00008	10000	99.75%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	23.50	0.00	0.00	0.00	0.00	0.00	0.00	23.50
<b>R-T-S</b>	<b>8.14</b>	<b>0.00025</b>	<b>10000</b>															
AE26117656	8.57	0.00017	10000	0.00%	0.00%	15.00%	0.00%	5.00%	0.00%	0.00%	0.00	0.00	9.57	0.00	3.19	0.00	0.00	12.76
S2791	6.62	0.00008	10000	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>R-T-S</b>	<b>7.95</b>	<b>0.00025</b>	<b>10000</b>															
AE26117045	8.14	0.00017	10000	0.00%	0.00%	15.00%	0.00%	5.00%	0.00%	0.00%	0.00	0.00	9.09	0.00	3.03	0.00	0.00	12.12
S2791	6.62	0.00008	10000	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>R-T-S</b>	<b>7.65</b>	<b>0.00025</b>	<b>10000</b>															
<b>9</b>											<b>53.6</b>	<b>15.4</b>	<b>9.57</b>	<b>0.00</b>	<b>3.19</b>	<b>0.00</b>	<b>7.69</b>	<b>69.1</b>
<b>DEM9440</b>	<b>7.91</b>	<b>0.00097</b>	<b>750</b>	0.00%	0.00%	20.00%	0.00%	15.00%	0.00%	0.00%	0.00	0.00	5.04	0.00	3.78	0.00	0.00	8.82
UHD46KP	8.20	0.00078	750	15.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	3.15	0.00	0.00	0.00	0.00	0.00	0.00	3.15
MEK/ Isobutylacetate	7.00	0.00019	750	49.88%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	2.18	0.00	0.00	0.00	0.00	0.00	0.00	2.18
<b>R-T-S</b>	<b>7.96</b>	<b>0.00097</b>	<b>750</b>															
<b>10</b>											<b>5.33</b>	<b>0.00</b>	<b>5.04</b>	<b>0.00</b>	<b>3.78</b>	<b>0.00</b>	<b>0.00</b>	<b>8.82</b>
DMT9517	7.73	0.00073	375	25.00%	20.00%	0.00%	0.00%	0.00%	10.00%	0.00%	2.32	1.85	0.00	0.00	0.00	0.93	0.00	5.10
S2790	7.02	0.00024	375	8.29%	8.90%	0.00%	0.00%	0.00%	0.00%	0.00%	0.23	0.25	0.00	0.00	0.00	0.00	0.00	0.48
<b>R-T-S</b>	<b>7.55</b>	<b>0.00097</b>	<b>375</b>															
<b>DEM9440</b>	<b>7.91</b>	<b>0.00097</b>	<b>375</b>	0.00%	0.00%	20.00%	0.00%	0.00%	15.00%	0.00%	0.00	0.00	2.52	0.00	0.00	1.89	0.00	4.41
HD7CPB1 Paint-Clearcoat	8.25	0.00073	375	17.00%	0.00%	0.00%	0.00%	0.00%	4.00%	0.00%	1.68	0.00	0.00	0.00	0.00	0.40	0.00	2.08
MEK/ Isobutylacetate	7.00	0.00024	375	49.88%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	1.38	0.00	0.00	0.00	0.00	0.00	0.00	1.38
<b>R-T-S</b>	<b>7.94</b>	<b>0.00097</b>	<b>375</b>															
DBU 88	8.09	0.00073	375	0.00%	10.00%	0.00%	0.00%	5.00%	10.00%	0.00%	0.00	0.97	0.00	0.00	0.49	0.97	0.00	2.43
S2790	7.02	0.00024	375	8.29%	8.90%	0.00%	0.00%	0.00%	0.00%	0.00%	0.23	0.25	0.00	0.00	0.00	0.00	0.00	0.48
<b>R-T-S</b>	<b>7.83</b>	<b>0.00097</b>	<b>375</b>															
CBC51298	8.25	0.00078	375	0.00%	0.00%	2.00%	0.00%	2.00%	0.00%	0.00%	0.00	0.00	0.21	0.00	0.21	0.00	0.00	0.42
Isobutylacetate	7.28	0.00019	375	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>R-T-S</b>	<b>8.06</b>	<b>0.00097</b>	<b>375</b>															
<b>11</b>											<b>3.06</b>	<b>2.10</b>	<b>2.52</b>	<b>0.00</b>	<b>0.49</b>	<b>1.89</b>	<b>0.00</b>	<b>5.57</b>
UHD19KP-A Paint-Black	8.20	0.00065	375	3.00%	16.00%	0.00%	0.00%	30.00%	0.00%	0.00%	0.26	1.40	0.00	0.00	2.63	0.00	0.00	4.29
MEK/ Isobutylacetate	7.00	0.00032	375	49.88%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	1.83	0.00	0.00	0.00	0.00	0.00	0.00	1.83
<b>R-T-S</b>	<b>7.80</b>	<b>0.00097</b>	<b>375</b>															
DCT3000	8.48	0.00078	375	0.00%	0.00%	0.00%	0.00%	15.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	1.63	0.00	0.00	1.63
Isobutylacetate	7.28	0.00019	375	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>R-T-S</b>	<b>8.24</b>	<b>0.00097</b>	<b>375</b>															
DBU88	8.09	0.00073	375	0.00%	10.00%	0.00%	0.00%	5.00%	10.00%	0.00%	0.00	0.97	0.00	0.00	0.49	0.97	0.00	2.43
S2790	7.02	0.00024	375	8.29%	8.90%	0.00%	0.00%	0.00%	0.00%	0.00%	0.23	0.25	0.00	0.00	0.00	0.00	0.00	0.48
<b>R-T-S</b>	<b>7.83</b>	<b>0.00097</b>	<b>375</b>															
DMT 9517	7.73	0.00049	375	25.00%	20.00%	0.00%	0.00%	0.00%	10.00%	0.00%	1.56	1.24	0.00	0.00	0.00	0.62	0.00	3.42
S2790	7.02	0.00049	375	8.29%	8.90%	0.00%	0.00%	0.00%	0.00%	0.00%	0.47	0.50	0.00	0.00	0.00	0.00	0.00	0.97
<b>R-T-S</b>	<b>7.38</b>	<b>0.00097</b>	<b>375</b>															
UHD46KP	8.20	0.00073	375	15.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	1.47	0.00	0.00	0.00	0.00	0.00	0.00	1.47
MEK/ Isobutylacetate	7.00	0.00024	375	49.88%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	1.38	0.00	0.00	0.00	0.00	0.00	0.00	1.38
<b>R-T-S</b>	<b>7.90</b>	<b>0.00097</b>	<b>375</b>															
<b>12</b>											<b>2.85</b>	<b>1.75</b>	<b>0.00</b>	<b>0.00</b>	<b>2.63</b>	<b>0.97</b>	<b>0.00</b>	<b>6.12</b>

Material	Density (lb/gal)	Gal of Mat (gal/unit)	Maximum (unit/hour)	Weight % MEK	Weight % Toluene	Weight % MIBK	Weight % Ethyl benzene	Weight % Xylene	Weight % Glycol Ethers	Weight % Methanol	MEK Emissions (tons/yr)	Toluene Emissions (tons/yr)	MIBK Emissions (tons/yr)	Ethyl benzene Emissions (tons/yr)	Xylene Emissions (tons/yr)	Glycol Ethers Emissions (tons/yr)	Methanol Emissions (tons/yr)	Total Emissions (tons/yr)
<b>12</b>																		
DMT 9517	7.73	0.00065	375	25.00%	20.00%	0.00%	0.00%	0.00%	10.00%	0.00%	2.06	1.65	0.00	0.00	0.00	0.83	0.00	4.54
S2790	7.02	0.00032	375	8.29%	8.90%	0.00%	0.00%	0.00%	0.00%	0.00%	0.31	0.33	0.00	0.00	0.00	0.00	0.00	0.63
<b>R-T-S</b>	<b>7.50</b>	<b>0.00097</b>	<b>375</b>															
<b>DEM9440</b>	<b>7.91</b>	<b>0.00097</b>	<b>375</b>	0.00%	0.00%	20.00%	0.00%	0.00%	15.00%	0.00%	0.00	0.00	2.52	0.00	0.00	1.89	0.00	4.41
HD7CPB1 Paint-Clearcoat	8.25	0.00065	375	17.00%	0.00%	0.00%	0.00%	0.00%	4.00%	0.00%	1.50	0.00	0.00	0.00	0.00	0.35	0.00	1.85
MEK/ Isobutylacetate	7.00	0.00032	375	49.88%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	1.83	0.00	0.00	0.00	0.00	0.00	0.00	1.83
<b>R-T-S</b>	<b>7.84</b>	<b>0.00097</b>	<b>375</b>															
DBU88	8.09	0.00065	375	0.00%	10.00%	0.00%	0.00%	5.00%	10.00%	0.00%	0.00	0.86	0.00	0.00	0.43	0.86	0.00	2.16
S2790	7.02	0.00032	375	8.29%	8.90%	0.00%	0.00%	0.00%	0.00%	0.00%	0.31	0.33	0.00	0.00	0.00	0.00	0.00	0.63
<b>R-T-S</b>	<b>7.74</b>	<b>0.00097</b>	<b>375</b>															
DCT3000	8.48	0.00073	375	0.00%	0.00%	0.00%	0.00%	15.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	1.53	0.00	0.00	1.53
Isobutylacetate	7.28	0.00024	375	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>R-T-S</b>	<b>8.18</b>	<b>0.00097</b>	<b>375</b>															
											<b>3.33</b>	<b>1.98</b>	<b>2.52</b>	<b>0.00</b>	<b>1.53</b>	<b>1.89</b>	<b>0.00</b>	<b>5.17</b>
<b>13</b>																		
UHD19KP-A Paint-Black	8.20	0.00065	375	3.00%	16.00%	0.00%	0.00%	30.00%	0.00%	0.00%	0.26	1.40	0.00	0.00	2.63	0.00	0.00	4.29
MEK/ Isobutylacetate	7.00	0.00032	375	49.88%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	1.83	0.00	0.00	0.00	0.00	0.00	0.00	1.83
<b>R-T-S</b>	<b>7.80</b>	<b>0.00097</b>	<b>375</b>															
DMT 9517	7.73	0.00049	375	25.00%	20.00%	0.00%	0.00%	0.00%	10.00%	0.00%	1.56	1.24	0.00	0.00	0.00	0.62	0.00	3.42
S2790	7.02	0.00049	375	8.29%	8.90%	0.00%	0.00%	0.00%	0.00%	0.00%	0.47	0.50	0.00	0.00	0.00	0.00	0.00	0.97
<b>R-T-S</b>	<b>7.38</b>	<b>0.00097</b>	<b>375</b>															
<b>DEM 9440</b>	<b>7.91</b>	<b>0.00097</b>	<b>375</b>	0.00%	0.00%	20.00%	0.00%	15.00%	0.00%	0.00%	0.00	0.00	2.52	0.00	1.89	0.00	0.00	4.41
HD18 MP-D	8.50	0.00073	375	20.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	2.04	0.00	0.00	0.00	0.00	0.00	0.00	2.04
Toluene	7.26	0.00024	375	0.00%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	2.86	0.00	0.00	0.00	0.00	0.00	2.86
<b>R-T-S</b>	<b>8.19</b>	<b>0.00097</b>	<b>375</b>															
UHD46KP	8.20	0.00073	375	15.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	1.47	0.00	0.00	0.00	0.00	0.00	0.00	1.47
MEK/ Isobutylacetate	7.00	0.00024	375	49.88%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	1.38	0.00	0.00	0.00	0.00	0.00	0.00	1.38
<b>R-T-S</b>	<b>7.90</b>	<b>0.00097</b>	<b>375</b>															
											<b>2.85</b>	<b>2.86</b>	<b>2.52</b>	<b>0.00</b>	<b>2.63</b>	<b>0.62</b>	<b>0.00</b>	<b>6.12</b>
<b>ZJR</b>																		
AE261-31009	7.87	0.00500	180	0.00%	0.00%	15.00%	0.00%	5.00%	15.00%	0.00%	0.00	0.00	4.65	0.00	1.55	4.65	0.00	10.85
S2791	6.62	0.00500	180	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>R-T-S</b>	<b>7.24</b>	<b>0.01000</b>	<b>180</b>															
AE261-30020	8.30	0.00500	180	0.00%	0.00%	15.00%	0.00%	5.00%	15.00%	0.00%	0.00	0.00	4.91	0.00	1.64	4.91	0.00	11.45
S2791	6.62	0.00500	180	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>R-T-S</b>	<b>7.46</b>	<b>0.01000</b>	<b>180</b>															
AE261-30155	7.84	0.00500	180	0.00%	0.00%	15.00%	0.00%	5.00%	15.00%	0.00%	0.00	0.00	4.63	0.00	1.54	4.63	0.00	10.81
S2791	6.62	0.00500	180	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>R-T-S</b>	<b>7.23</b>	<b>0.01000</b>	<b>180</b>															
AE261-30012	8.03	0.00500	180	0.00%	0.00%	15.00%	0.00%	0.00%	15.00%	0.00%	0.00	0.00	4.75	0.00	0.00	4.75	0.00	9.49
S2791	6.62	0.00500	180	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>R-T-S</b>	<b>7.32</b>	<b>0.01000</b>	<b>180</b>															
AE261-30349	8.57	0.00500	180	0.00%	0.00%	15.00%	0.00%	0.00%	15.00%	0.00%	0.00	0.00	5.07	0.00	0.00	5.07	0.00	10.13
S2791	6.62	0.00500	180	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>R-T-S</b>	<b>7.59</b>	<b>0.01000</b>	<b>180</b>															
											<b>0.00</b>	<b>0.00</b>	<b>5.07</b>	<b>0.00</b>	<b>1.64</b>	<b>5.07</b>	<b>0.00</b>	<b>11.5</b>



Material	Density (lb/gal)	Gal of Mat (gal/unit)	Maximum (unit/hour)	Weight % MEK	Weight % Toluene	Weight % MIBK	Weight % Ethyl benzene	Weight % Xylene	Weight % Glycol Ethers	Weight % Methanol	MEK Emissions (tons/yr)	Toluene Emissions (tons/yr)	MIBK Emissions (tons/yr)	Ethyl benzene Emissions (tons/yr)	Xylene Emissions (tons/yr)	Glycol Ethers Emissions (tons/yr)	Methanol Emissions (tons/yr)	Total Emissions (tons/yr)
<b>ZJM</b>																		
AE261-31009	7.87	0.00053	60	0.00%	0.00%	15.00%	0.00%	5.00%	15.00%	0.00%	0.00	0.00	0.16	0.00	0.05	0.16	0.00	0.38
S2791	6.62	0.00018	60	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>R-T-S</b>	<b>7.55</b>	<b>0.00070</b>	<b>60</b>															
80261N874	7.20	0.00047	60	45.20%	0.00%	8.90%	0.00%	1.70%	0.00%	0.00%	0.40	0.00	0.08	0.00	0.02	0.00	0.00	0.50
S2791	6.62	0.00023	60	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>R-T-S</b>	<b>7.01</b>	<b>0.00070</b>	<b>60</b>															
89062N420	8.60	0.00035	60	14.00%	10.00%	0.00%	0.00%	0.00%	8.00%	11.00%	0.11	0.08	0.00	0.00	0.00	0.06	0.09	0.34
S2791	6.62	0.00035	60	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>R-T-S</b>	<b>7.61</b>	<b>0.00070</b>	<b>60</b>															
AE26130020	8.30	0.00047	60	0.00%	0.00%	15.00%	0.00%	5.00%	15.00%	0.00%	0.00	0.00	0.15	0.00	0.05	0.15	0.00	0.36
S2791	6.62	0.00023	60	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>R-T-S</b>	<b>7.75</b>	<b>0.00070</b>	<b>60</b>															
AE 26130890	7.88	0.00047	60	0.00%	0.00%	15.00%	0.00%	0.00%	15.00%	0.00%	0.00	0.00	0.15	0.00	0.00	0.15	0.00	0.29
S2791	6.62	0.00023	60	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>R-T-S</b>	<b>7.47</b>	<b>0.00070</b>	<b>60</b>															
<b>A</b>											<b>0.40</b>	<b>0.08</b>	<b>0.16</b>	<b>0.00</b>	<b>0.05</b>	<b>0.16</b>	<b>0.09</b>	<b>0.50</b>
Arc 26792	7.99	0.00144	950	60.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	28.73	0.00	0.00	0.00	0.00	0.00	0.00	28.73
Toluene	7.26	0.00144	950	0.00%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	43.48	0.00	0.00	0.00	0.00	0.00	43.48
<b>R-T-S</b>	<b>7.62</b>	<b>0.00287</b>	<b>950</b>															
DMT35838	8.09	0.00144	950	15.00%	25.00%	0.00%	0.00%	2.00%	10.00%	0.00%	7.27	12.12	0.00	0.00	0.97	4.85	0.00	25.21
S2790	7.02	0.00144	950	8.29%	8.90%	0.00%	0.00%	0.00%	0.00%	0.00%	3.49	3.75	0.00	0.00	0.00	0.00	0.00	7.23
<b>R-T-S</b>	<b>7.56</b>	<b>0.00287</b>	<b>950</b>															
UHD 45MP Paint-Argent	8.10	0.00191	950	0.00%	0.00%	0.00%	0.00%	17.80%	0.00%	0.00%	0.00	0.00	0.00	0.00	11.46	0.00	0.00	11.46
MEK/ Isobutylacetate	7.00	0.00096	950	49.88%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	13.94	0.00	0.00	0.00	0.00	0.00	0.00	13.94
<b>R-T-S</b>	<b>7.73</b>	<b>0.00287</b>	<b>950</b>															
LE19353	8.66	0.00191	950	4.05%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	2.79	0.00	0.00	0.00	0.00	0.00	0.00	2.79
S1305	7.35	0.00096	950	5.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	1.47	0.00	0.00	0.00	0.00	0.00	0.00	1.47
<b>R-T-S</b>	<b>8.22</b>	<b>0.00287</b>	<b>950</b>															
LE19800	8.79	0.00144	950	5.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	2.63	0.00	0.00	0.00	0.00	0.00	0.00	2.63
MEK	6.72	0.00144	950	99.75%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	40.18	0.00	0.00	0.00	0.00	0.00	0.00	40.18
<b>R-T-S</b>	<b>7.75</b>	<b>0.00287</b>	<b>950</b>															
<b>B</b>											<b>42.8</b>	<b>43.5</b>	<b>0.00</b>	<b>0.00</b>	<b>11.5</b>	<b>4.85</b>	<b>0.00</b>	<b>72.2</b>
UHD 45MP Paint-Argent	8.10	0.00373	750	0.00%	0.00%	0.00%	0.00%	17.80%	0.00%	0.00%	0.00	0.00	0.00	0.00	17.67	0.00	0.00	17.67
MEK/ Isobutylacetate	7.00	0.00373	750	49.88%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	42.77	0.00	0.00	0.00	0.00	0.00	0.00	42.77
<b>R-T-S</b>	<b>7.55</b>	<b>0.00746</b>	<b>750</b>															
DMT35838	8.09	0.00373	750	5.00%	25.00%	0.00%	0.00%	2.00%	10.00%	0.00%	4.96	24.78	0.00	0.00	1.98	9.91	0.00	41.63
S2791	6.62	0.00373	750	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>R-T-S</b>	<b>7.36</b>	<b>0.00746</b>	<b>750</b>															
<b>LE20061</b>	<b>7.92</b>	<b>0.00746</b>	<b>750</b>	5.00%	0.00%	0.00%	5.00%	10.00%	0.00%	0.00%	9.71	0.00	0.00	9.71	19.42	0.00	0.00	38.83
CBC34415	8.41	0.00597	750	0.00%	0.00%	5.00%	0.00%	2.00%	2.00%	0.00%	0.00	0.00	8.25	0.00	3.30	3.30	0.00	14.84
Isobutylacetate	7.28	0.00149	750	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>R-T-S</b>	<b>8.18</b>	<b>0.00746</b>	<b>750</b>															
LE21534	8.99	0.00497	750	5.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	7.34	0.00	0.00	0.00	0.00	0.00	0.00	7.34
SV4167	7.34	0.00249	750	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>R-T-S</b>	<b>8.44</b>	<b>0.00746</b>	<b>750</b>															
											<b>9.71</b>	<b>0.00</b>	<b>0.00</b>	<b>9.71</b>	<b>19.4</b>	<b>0.00</b>	<b>0.00</b>	<b>38.8</b>

Material	Density (lb/gal)	Gal of Mat (gal/unit)	Maximum (unit/hour)	Weight % MEK	Weight % Toluene	Weight % MIBK	Weight % Ethyl benzene	Weight % Xylene	Weight % Glycol Ethers	Weight % Methanol	MEK Emissions (tons/yr)	Toluene Emissions (tons/yr)	MIBK Emissions (tons/yr)	Ethyl benzene Emissions (tons/yr)	Xylene Emissions (tons/yr)	Glycol Ethers Emissions (tons/yr)	Methanol Emissions (tons/yr)	Total Emissions (tons/yr)
<b>C</b>																		
UHD 45MP Paint-Argent	8.10	0.00373	750	0.00%	0.00%	0.00%	0.00%	17.80%	0.00%	0.00%	0.00	0.00	0.00	0.00	17.67	0.00	0.00	17.67
MEK/ Isobutylacetate	7.00	0.00373	750	49.88%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	42.77	0.00	0.00	0.00	0.00	0.00	0.00	42.77
<b>R-T-S</b>	<b>7.55</b>	<b>0.00746</b>	<b>750</b>															
DMT35838	8.09	0.00373	750	5.00%	25.00%	0.00%	0.00%	2.00%	10.00%	0.00%	4.96	24.78	0.00	0.00	1.98	9.91	0.00	41.63
S2790	7.02	0.00373	750	8.29%	8.90%	0.00%	0.00%	0.00%	0.00%	0.00%	7.13	7.66	0.00	0.00	0.00	0.00	0.00	14.79
<b>R-T-S</b>	<b>7.56</b>	<b>0.00746</b>	<b>750</b>															
<b>LE20061</b>	<b>7.92</b>	<b>0.00746</b>	<b>750</b>	5.00%	0.00%	0.00%	5.00%	10.00%	0.00%	0.00%	9.71	0.00	0.00	9.71	19.42	0.00	0.00	38.83
CBC34415	8.41	0.00597	750	0.00%	0.00%	5.00%	0.00%	2.00%	2.00%	0.00%	0.00	0.00	8.25	0.00	3.30	3.30	0.00	14.84
Isobutylacetate	7.28	0.00149	750	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>R-T-S</b>	<b>8.18</b>	<b>0.00746</b>	<b>750</b>															
CBC35626	8.27	0.00597	750	0.00%	0.00%	5.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	8.11	0.00	0.00	0.00	0.00	8.11
Isobutylacetate	7.28	0.00149	750	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>R-T-S</b>	<b>8.07</b>	<b>0.00746</b>	<b>750</b>															
											<b>42.8</b>	<b>32.4</b>	<b>8.25</b>	<b>9.71</b>	<b>19.4</b>	<b>9.91</b>	<b>0.00</b>	<b>60.4</b>
<b>D</b>																		
UHD 45MP Paint-Argent	8.10	0.00560	750	0.00%	0.00%	0.00%	0.00%	17.80%	0.00%	0.00%	0.00	0.00	0.00	0.00	26.52	0.00	0.00	26.52
MEK/ Isobutylacetate	7.00	0.00187	750	49.88%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	21.44	0.00	0.00	0.00	0.00	0.00	0.00	21.44
<b>R-T-S</b>	<b>7.82</b>	<b>0.00746</b>	<b>750</b>															
DMT35838	8.09	0.00497	750	5.00%	25.00%	0.00%	0.00%	2.00%	10.00%	0.00%	6.60	33.02	0.00	0.00	2.64	13.21	0.00	55.47
S2790	7.02	0.00249	750	8.29%	8.90%	0.00%	0.00%	0.00%	0.00%	0.00%	4.76	5.11	0.00	0.00	0.00	0.00	0.00	9.87
<b>R-T-S</b>	<b>7.73</b>	<b>0.00746</b>	<b>750</b>															
<b>LE20061</b>	<b>7.92</b>	<b>0.00746</b>	<b>750</b>	5.00%	0.00%	0.00%	5.00%	10.00%	0.00%	0.00%	9.71	0.00	0.00	9.71	19.42	0.00	0.00	38.83
DCT3000	8.48	0.00597	750	0.00%	0.00%	0.00%	0.00%	15.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	24.95	0.00	0.00	24.95
Isobutylacetate	7.28	0.00149	750	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>R-T-S</b>	<b>8.24</b>	<b>0.00746</b>	<b>750</b>															
LE19825	8.44	0.00497	750	10.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	13.78	0.00	0.00	0.00	0.00	0.00	0.00	13.78
S1305	7.35	0.00249	750	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>R-T-S</b>	<b>8.08</b>	<b>0.00746</b>	<b>750</b>															
											<b>21.4</b>	<b>38.1</b>	<b>0.00</b>	<b>9.71</b>	<b>26.5</b>	<b>13.2</b>	<b>0.00</b>	<b>65.3</b>
<b>E</b>																		
HD7CPB1 Paint-Clearcoat	8.25	0.00713	750	17.00%	0.00%	0.00%	0.00%	0.00%	4.00%	0.00%	32.85	0.00	0.00	0.00	0.00	7.73	0.00	40.58
MEK/ Isobutylacetate	7.00	0.00238	750	49.88%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	27.29	0.00	0.00	0.00	0.00	0.00	0.00	27.29
<b>R-T-S</b>	<b>7.94</b>	<b>0.00951</b>	<b>750</b>															
LE19929	7.92	0.00713	750	5.00%	0.00%	0.00%	5.00%	10.00%	0.00%	0.00%	9.28	0.00	0.00	9.28	18.56	0.00	0.00	37.12
MAK	6.84	0.00238	750	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>R-T-S</b>	<b>7.65</b>	<b>0.00951</b>	<b>750</b>															
<b>LE20061</b>	<b>7.92</b>	<b>0.00951</b>	<b>750</b>	5.00%	0.00%	0.00%	5.00%	10.00%	0.00%	0.00%	12.38	0.00	0.00	12.38	24.75	0.00	0.00	49.50
DBU 88	8.09	0.00713	750	0.00%	10.00%	0.00%	0.00%	5.00%	10.00%	0.00%	0.00	18.95	0.00	0.00	9.47	18.95	0.00	47.37
S2790	7.02	0.00238	750	8.29%	8.90%	0.00%	0.00%	0.00%	0.00%	0.00%	4.55	4.89	0.00	0.00	0.00	0.00	0.00	9.44
<b>R-T-S</b>	<b>7.82</b>	<b>0.00951</b>	<b>750</b>															
DCT3000	8.48	0.00761	750	0.00%	0.00%	0.00%	0.00%	15.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	31.80	0.00	0.00	31.80
Isobutylacetate	7.28	0.00190	750	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>R-T-S</b>	<b>8.24</b>	<b>0.00951</b>	<b>750</b>															
											<b>60.1</b>	<b>23.8</b>	<b>0.00</b>	<b>12.4</b>	<b>31.8</b>	<b>18.9</b>	<b>0.00</b>	<b>67.9</b>
<b>F</b>																		
UHD19KP-A	8.20	0.00634	375	3.00%	16.00%	0.00%	0.00%	30.00%	0.00%	0.00%	2.56	13.66	0.00	0.00	25.62	0.00	0.00	41.84
MEK/ Isobutylacetate	7.00	0.00317	375	49.88%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	18.18	0.00	0.00	0.00	0.00	0.00	0.00	18.18
<b>R-T-S</b>	<b>7.80</b>	<b>0.00951</b>	<b>375</b>															
DMT 9517	7.73	0.00634	375	25.00%	20.00%	0.00%	0.00%	0.00%	10.00%	0.00%	20.12	16.10	0.00	0.00	0.00	8.05	0.00	44.27
MEK/ Isobutylacetate	7.00	0.00317	375	49.88%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	18.18	0.00	0.00	0.00	0.00	0.00	0.00	18.18
<b>R-T-S</b>	<b>7.49</b>	<b>0.00951</b>	<b>375</b>															
<b>DEM 9440</b>	<b>7.91</b>	<b>0.00951</b>	<b>375</b>	0.00%	0.00%	20.00%	0.00%	0.00%	15.00%	0.00%	0.00	0.00	24.71	0.00	0.00	18.53	0.00	43.24
UHD45MP	8.10	0.00634	375	0.00%	0.00%	0.00%	0.00%	17.80%	0.00%	0.00%	0.00	0.00	0.00	0.00	15.01	0.00	0.00	15.01
MEK/ Isobutylacetate	7.00	0.00317	375	49.88%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	18.18	0.00	0.00	0.00	0.00	0.00	0.00	18.18
<b>R-T-S</b>	<b>7.73</b>	<b>0.00951</b>	<b>375</b>															
											<b>38.3</b>	<b>16.1</b>	<b>24.7</b>	<b>0.00</b>	<b>25.6</b>	<b>18.5</b>	<b>0.00</b>	<b>62.4</b>

Material	Density (lb/gal)	Gal of Mat (gal/unit)	Maximum (unit/hour)	Weight % MEK	Weight % Toluene	Weight % MIBK	Weight % Ethyl benzene	Weight % Xylene	Weight % Glycol Ethers	Weight % Methanol	MEK Emissions (tons/yr)	Toluene Emissions (tons/yr)	MIBK Emissions (tons/yr)	Ethyl benzene Emissions (tons/yr)	Xylene Emissions (tons/yr)	Glycol Ethers Emissions (tons/yr)	Methanol Emissions (tons/yr)	Total Emissions (tons/yr)
<b>G</b>																		
UHD19KP-A	8.20	0.00634	375	3.00%	16.00%	0.00%	0.00%	30.00%	0.00%	0.00%	2.56	13.66	0.00	0.00	25.62	0.00	0.00	41.84
MEK/ Isobutylacetate	7.00	0.00317	375	49.88%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	18.18	0.00	0.00	0.00	0.00	0.00	0.00	18.18
<b>R-T-S</b>	<b>7.80</b>	<b>0.00951</b>	<b>375</b>															
DMT 9517	7.73	0.00476	375	25.00%	20.00%	0.00%	0.00%	0.00%	10.00%	0.00%	15.11	12.09	0.00	0.00	0.00	6.04	0.00	33.24
MEK/ Isobutylacetate	7.00	0.00476	375	49.88%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	27.29	0.00	0.00	0.00	0.00	0.00	0.00	27.29
<b>R-T-S</b>	<b>7.36</b>	<b>0.00951</b>	<b>375</b>															
<b>DEM 9440</b>	<b>7.91</b>	<b>0.00951</b>	<b>375</b>	0.00%	0.00%	20.00%	0.00%	0.00%	15.00%	0.00%	0.00	0.00	24.71	0.00	0.00	18.53	0.00	43.24
UHD45MP	8.10	0.00634	375	0.00%	0.00%	0.00%	0.00%	17.80%	0.00%	0.00%	0.00	0.00	0.00	0.00	15.01	0.00	0.00	15.01
MEK/ Isobutylacetate	7.00	0.00317	375	49.88%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	18.18	0.00	0.00	0.00	0.00	0.00	0.00	18.18
<b>R-T-S</b>	<b>7.73</b>	<b>0.00951</b>	<b>375</b>															
											<b>42.4</b>	<b>13.7</b>	<b>24.7</b>	<b>0.00</b>	<b>25.6</b>	<b>18.5</b>	<b>0.00</b>	<b>60.5</b>

Total State Potential Emissions

<b>TOTALS:</b>	<b>(tons/yr):</b>	<b>433</b>	<b>243</b>	<b>105</b>	<b>45.8</b>	<b>201</b>	<b>115</b>	<b>23.0</b>	<b>699</b>
	<b>(lb/hr):</b>	<b>99.0</b>	<b>55.4</b>	<b>24.0</b>	<b>10.5</b>	<b>45.9</b>	<b>26.3</b>	<b>5.26</b>	<b>160</b>
	<b>(g/sec):</b>	<b>12.5</b>	<b>6.98</b>	<b>3.02</b>	<b>1.32</b>	<b>5.79</b>	<b>3.31</b>	<b>0.663</b>	<b>20.1</b>

**METHODOLOGY**

HAPS emission rate (tons/yr) = Density (lb/gal) \* Gal of Material (gal/unit) \* Maximum (unit/hr) \* Weight % HAP \* 8760 hrs/yr \* 1 ton/2000 lbs

**Appendix A: Emissions Calculations**  
**Natural Gas Combustion Only**  
**10 < MM BTU/HR <100**  
**Small Industrial Boiler**

Page 14 of 15 TSD App A

**Company Name:** Textron Automotive Company  
**Address City IN Zip:** 2782 East U.S. Highway 52, Morristown, IN 46161  
**Part 70:** T145-7514  
**Pit ID:** 145-00033  
**Reviewer:** CarrieAnn Ortolani  
**Date:** December 13, 1996

Heat Input Capacity  
MMBtu/hr

13.5

Potential Throughput  
MMCF/yr

118.3

Emission Factor in lb/MMCF	Pollutant					
	PM 7.6	PM10 7.6	SO2 0.6	NOx 100.0	VOC 5.5	CO 84.0
Potential Emission in tons/yr	0.449	0.449	0.035	5.91	0.325	4.97

**Methodology**

MMBtu = 1,000,000 Btu

MMCF = 1,000,000 Cubic Feet of Gas

Potential Throughput (MMCF) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1 MMCF/1,000 MMBtu

Emission Factors are from AP 42, updated 7/98, Chapter 1.4, Tables 1.4-1 and 1.4-2, SCC #1-02-006-02

Emission (tons/yr) = Throughput (MMCF/yr) x Emission Factor (lb/MMCF)/2,000 lb/ton

**Appendix A: Emissions Calculations  
Natural Gas Combustion Only  
MM BTU/HR <100  
Small Industrial Boiler**

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**Company Name:** Textron Automotive Company  
**Address City IN Zip:** 2782 East U.S. Highway 52, Morristown, IN 46161  
**Part 70:** T145-7514  
**Pit ID:** 145-00033  
**Reviewer:** CarrieAnn Ortolani  
**Date:** December 13, 1996

Heat Input Capacity  
MMBtu/hr

43.7

Potential Throughput  
MMCF/yr

382

Emission Factor in lb/MMCF	Pollutant					
	PM	PM10	SO2	NOx	VOC	CO
	7.6	7.6	0.6	100.0	5.5	84.0
				*see below		
Potential Emission in tons/yr	1.45	1.45	0.115	19.1	1.05	16.1

**Methodology**

All emission factors are based on normal firing.

MMBtu = 1,000,000 Btu

MMCF = 1,000,000 Cubic Feet of Gas

Emission Factors for NOx: Uncontrolled = 100, Low NOx Burner = 50, Low NOx Burners/Flue gas recirculation = 32

PM emission factors are condensable and filterable.

Potential Throughput (MMCF) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1 MMCF/1,000 MMBtu

Emission Factors are from AP 42, Chapter 1.4, Tables 1.4-1, 1.4-2, 1.4-3, SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03 (SUPPLEMENT D 3/98)

Emission (tons/yr) = Throughput (MMCF/yr) x Emission Factor (lb/MMCF)/2,000 lb/ton

See page 2 for HAPs emissions calculations.

**Appendix A: Emissions Calculations  
Natural Gas Combustion Only  
MM BTU/HR <100  
Small Industrial Boiler  
HAPs Emissions**

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**Company Name: Textron Automotive Company  
Address City IN Zip: 2782 East U.S. Highway 52, Morristown, IN 46161  
Part 70: T145-7514  
Plt ID: 145-00033  
Reviewer: CarrieAnn Ortolani  
Date: December 13, 1996**

HAPs - Organics

Emission Factor in lb/MMcf	Benzene 2.1E-03	Dichlorobenzene 1.2E-03	Formaldehyde 7.5E-02	Hexane 1.8E+00	Toluene 3.4E-03
Potential Emission in tons/yr	4.02E-04	2.29E-04	1.43E-02	3.44E-01	6.50E-04

HAPs - Metals

Emission Factor in lb/MMcf	Lead 5.0E-04	Cadmium 1.1E-03	Chromium 1.4E-03	Manganese 3.8E-04	Nickel 2.1E-03
Potential Emission in tons/yr	9.56E-05	2.10E-04	2.68E-04	7.27E-05	4.02E-04

Methodology is the same as page 1.

The five highest organic and metal HAPs emission factors are provided above.  
Additional HAPs emission factors are available in AP-42, Chapter 1.4.

## Indiana Department of Environmental Management Office of Air Management

### Addendum to the Technical Support Document for a Part 70 Operating Permit

Source Name: Textron Automotive Company  
Source Location: 2782 East U.S. Highway 52, Morristown, Indiana 46161  
County: Shelby  
Part 70 Operating Permit: T 145-7514-00033  
SIC Code: 3714  
Permit Reviewer: CarrieAnn Ortolani

On May 10, 1999, the Office of Air Management (OAM) had a notice published in the Shelbyville News, Shelbyville, Indiana, stating that Textron Automotive Company had applied for a Part 70 Operating Permit to operate a plastic automotive parts manufacturing and finishing operation with dry filters as overspray control. The notice also stated that OAM proposed to issue a Part 70 Operating Permit for this operation and provided information on how the public could review the proposed Part 70 Operating Permit and other documentation. Finally, the notice informed interested parties that there was a period of thirty (30) days to provide comments on whether or not this Part 70 Operating Permit should be issued as proposed.

On June 7, 1999, Gary Berling of Textron Automotive Company, submitted comments on the proposed Part 70 Operating Permit. The comments are as follows:

#### Comment 1:

Section A.2, D.1, Technical Support Document (pages 1 - 3): We feel strongly that the *parts per hour* specification on emission units be omitted from this permit. In most cases, several different product components may be processed in an emission unit at any given time, depending on customer demand. Thus, a spray booth could be used to process parts that are one-half the current size at a higher production rate. Since a decrease in potential-to-emit would likely result from a higher throughput of smaller parts, we feel it is inappropriate to add this type of description.

Although we understand that you do not intend to use the descriptions to be limitations, we believe that these descriptions could be either interpreted by an inspector to be limitations or be used to evaluate if a modification has occurred. Therefore, we request that references to *parts per hour* be deleted from the permit. We feel this change would have no impact on source emissions and is necessary for our facility to continue existing business without frequent permit modifications that will not affect either emissions or the potential-to-emit.

#### Response 1:

The maximum capacities listed in the emission unit descriptions in A.1 through A.3 are used by IDEM OAM in order to completely describe the units and to assess the source's potential to emit. The process specific emissions limitations identified in Section D of the permit are often determined from this information. Physical changes or changes in the method of operation that change the capacity may also increase the emission unit's potential to emit. Documenting the capacity will assist both the Permittee and the IDEM in evaluating whether such a change requires a preconstruction permit or other approval. If these capacities are not accurate, the source is required to notify IDEM OAM since this may change the applicability of the air permitting rules, and may result in an administrative amendment to the permit. Since the VOC usage is limited in Condition

D.1.2 of the permit, changes in capacity will have no affect on the limited potential to emit. Since these maximum capacities are subject to change it might be best for this permit to read "average capacity" or "nominal capacity" in order to clarify the flexibility of the manufacturing capabilities. Therefore, Section A.2 and the facility descriptions in Section D.1 have been changed as follows:

- (a) One (1) surface coating booth known as A, installed in 1989, equipped with high volume, low pressure (HVLP) spray guns and dry filters for overspray control, exhausting to S/V SA, **nominal** capacity: 950 plastic automotive parts per hour.
- (b) One (1) surface coating booth known as B, installed in 1989, equipped with high volume, low pressure (HVLP) spray guns and dry filters for overspray control, exhausting to S/V SB, **nominal** capacity: 750 plastic automotive parts per hour.
- (c) One (1) surface coating booth known as C, installed in 1989, equipped with high volume, low pressure (HVLP) spray guns and dry filters for overspray control, exhausting to S/V SC, **nominal** capacity: 750 plastic automotive parts per hour.
- (d) One (1) surface coating booth known as D, installed in 1989, equipped with high volume, low pressure (HVLP) spray guns and dry filters for overspray control, exhausting to S/V SD, **nominal** capacity: 750 plastic automotive parts per hour.
- (e) One (1) surface coating booth known as E, installed in 1989, equipped with high volume, low pressure (HVLP) spray guns and dry filters for overspray control, exhausting to S/V SE, **nominal** capacity: 750 plastic automotive parts per hour.
- (f) One (1) surface coating booth known as F, installed in 1989, equipped with high volume, low pressure (HVLP) spray guns and dry filters for overspray control, exhausting to S/V SF, **nominal** capacity: 375 plastic automotive parts per hour.
- (g) One (1) surface coating booth known as G, installed in 1989, equipped with high volume, low pressure (HVLP) spray guns and dry filters for overspray control, exhausting to S/V SG, **nominal** capacity: 375 plastic automotive parts per hour.
- (h) One (1) surface coating booth known as 9, installed prior to 1989, equipped with high volume, low pressure (HVLP) spray guns and dry filters for overspray control, exhausting to S/V S9, **nominal** capacity: 750 plastic automotive parts per hour.
- (i) One (1) surface coating booth known as 10, installed prior to 1989, equipped with high volume, low pressure (HVLP) spray guns and dry filters for overspray control, exhausting to S/V S10, **nominal** capacity: 375 plastic automotive parts per hour.
- (j) One (1) surface coating booth known as 11, installed prior to 1989, equipped with high volume, low pressure (HVLP) spray guns and dry filters for overspray control, exhausting to S/V S11, **nominal** capacity: 375 plastic automotive parts per hour.
- (k) One (1) surface coating booth known as 12, installed prior to 1989, equipped with high volume, low pressure (HVLP) spray guns and dry filters for overspray control, exhausting to S/V S12, **nominal** capacity: 375 plastic automotive parts per hour.



- (l) One (1) surface coating booth known as 13, installed prior to 1989, equipped with high volume, low pressure (HVLP) spray guns and dry filters for overspray control, exhausting to S/V S13, **nominal** capacity: 375 plastic automotive parts per hour.
- (m) One (1) surface coating booth known as HA5, installed in 1992, equipped with high volume, low pressure (HVLP) spray guns and dry filters for overspray control, exhausting to S/V SHA5, **nominal** capacity: 625 plastic automotive parts per hour.
- (n) One (1) surface coating booth known as HA6, installed in 1992, equipped with high volume, low pressure (HVLP) spray guns and dry filters for overspray control, exhausting to S/V SHA6, **nominal** capacity: 275 plastic automotive parts per hour.
- (o) One (1) surface coating booth known as HA7, installed in 1992, equipped with high volume, low pressure (HVLP) spray guns and dry filters for overspray control, exhausting to S/V SHA7, **nominal** capacity: 425 plastic automotive parts per hour.
- (p) One (1) surface coating booth known as HS13, installed in 1992, equipped with high volume, low pressure (HVLP) spray guns and dry filters for overspray control, exhausting to S/V SHS13, **nominal** capacity: 90 plastic automotive parts per hour.
- (q) One (1) surface coating booth known as HS14, installed in 1992, equipped with high volume, low pressure (HVLP) spray guns and dry filters for overspray control, exhausting to S/V SHS14, **nominal** capacity: 90 plastic automotive parts per hour.
- (r) One (1) surface coating booth known as HS15, installed in 1992, equipped with high volume, low pressure (HVLP) spray guns and dry filters for overspray control, exhausting to S/V SHS15, **nominal** capacity: 275 plastic automotive parts per hour.
- (s) One (1) surface coating booth known as HS17, installed in 1992, equipped with high volume, low pressure (HVLP) spray guns and dry filters for overspray control, exhausting to S/V SHS17, **nominal** capacity: 75 plastic automotive parts per hour.
- (t) One (1) surface coating booth known as HS18, installed in 1992, equipped with high volume, low pressure (HVLP) spray guns and dry filters for overspray control, exhausting to S/V SHS18, **nominal** capacity: 75 plastic automotive parts per hour.
- (u) One (1) surface coating booth known as HS19, installed in 1992, equipped with high volume, low pressure (HVLP) spray guns and dry filters for overspray control, exhausting to S/V SHS19, **nominal** capacity: 10,000 plastic automotive parts per hour.
- (v) One (1) surface coating booth known as ZJR, installed in 1994, equipped with high volume, low pressure (HVLP) spray guns and dry filters for overspray control, exhausting to S/V SZJR, **nominal** capacity: 180 plastic automotive parts per hour.
- (w) One (1) surface coating booth known as ZJM, installed in 1994, equipped with high volume, low pressure (HVLP) spray guns and dry filters for overspray control, exhausting to S/V SZJM, **nominal** capacity: 60 plastic automotive parts per hour.

**Comment 2:**

Section A.3(b), D.2(b), D.2.2: These citations specify the manufacturer and model number for a parts cleaner, which is an insignificant unit. Since neither a construction permit application nor a permit modification is required to change the manufacturer or model number of this unit, we request that this unit be generically referred to as simply a parts cleaner and delete references to "Safety Kleen model 30.3".

**Response 2:**

The manufacturer and model specifications for the parts cleaner have been removed from the facility descriptions in Section A.3 and Section D.2 and from Condition D.2.2 as follows:

- (b) Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6. One (1) ~~Safety Kleen parts cleaner—model 30.3.~~

D.2.2 Volatile Organic Compounds (VOC) [326 IAC 8-3-2]

Pursuant to 326 IAC 8-3-2 (Cold Cleaner Operations), the owner or operator of the one (1) ~~Safety Kleen~~ parts cleaner shall:

- (a) Equip the cleaner with a cover;
- (b) Equip the cleaner with a facility for draining cleaned parts;
- (c) Close the degreaser cover whenever parts are not being handled in the cleaner;
- (d) Drain cleaned parts for at least fifteen (15) seconds or until dripping ceases;
- (e) Provide a permanent, conspicuous label summarizing the operation requirements;
- (f) Store waste solvent only in covered containers and not dispose of waste solvent or transfer it to another party, in such a manner that greater than twenty percent (20%) of the waste solvent (by weight) can evaporate into the atmosphere.

**Comment 3:**

Section A.3(d), D.2(d): These citations concern insignificant units and provide the quantities of the units at the site. Since neither a construction permit application nor a permit modification is required to add additional units, we request that the quantity of these units be removed. This will eliminate the requirement to modify the permit to increase the number of insignificant emission units at the site.

**Response 3:**

The insignificant emission units in Section A.3(d) and D.2(d) are specifically regulated by state or federal rules. In many cases future additions or deletions of insignificant activities will not require a modification of this permit. However, a change in the number of insignificant emission units may result in the source becoming a major source of VOC pursuant to 326 IAC 2-2, Prevention of Significant Deterioration. A permit modification to the VOC limit contained in Condition D.1.2 of the permit may be required if the source chooses to remain a minor source pursuant to 326 IAC 2-2. There are no changes to the permit resulting from this comment.

**Comment 4:**

Section D.1.9, Technical Support Document (page 12): This section and page refer to a "Compliance Response Plan". We are unable to determine what the requirement is to prepare a Compliance Response Plan and do not know what this document must contain. The only plan preparation requirement that we found in Section C is for an "Emergency Reduction Plan", not a "Compliance Monitoring Plan". Are these the same plan or is another plan required? If a Compliance Monitoring Plan is required, please provide us the permit condition or rule citation for the requirement and indicate what the plan must contain. This section and page also reference a section in the permit titled "Section C - Compliance Monitoring Plan - Failure to Take Response Steps". There is not a section titled "Compliance Monitoring Plan - Failure to Take Response Steps" in Section C. Is this an incorrect reference?

**Response 4:**

Condition C.15, Compliance Monitoring Plan - Failure to Take Response Steps, on page 25 of 48 of the permit addresses the requirements of a Compliance Monitoring Plan, at C.15(a)(5).

**Comment 5:**

Section D.2.5: It appears that the reference to "D.3.4" should be "D.2.4" (D.3.4 does not exist).

**Response 5:**

This condition should reference Condition D.2.3. The typographical error is corrected as follows:

**D.2.5 Record Keeping Requirements**

To document compliance with Condition **D.2.3** ~~D.3.4~~, the Permittee shall maintain records to demonstrate that no solvent based cleaners for mask washing. Records shall include purchase orders, invoices, and material safety data sheets (MSDS) necessary to verify compliance with Condition D.2.3. All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

**Comment 6:**

Technical Support Document (page 6): The list of HAPs does not include all of the HAPs presented in our permit application (see Table 2 and Appendix C of the permit application, dated December 1996). Additionally, we do not understand where the estimates for benzene, dichlorobenzene, hexane, cadmium, manganese, nickel, and lead were obtained since these are not present, to our knowledge, in coatings or chemicals used at our facility.

**Response 6:**

The OAM prefers that the Technical Support Document reflect the permit that was on public notice. Changes to the permit or technical support material that occur after the public notice are documented in this Addendum to the Technical Support Document.

The estimates of hazardous air pollutant (HAP) emissions result from the information provided in the application. The emission estimates for chromium and hydrochloric acid were not included in this table because the chromium electroplating and acid wash have been removed from this source. The emissions of 1,1,1 trichloroethane and methylene chloride from miscellaneous chemical usage were overlooked in this table. The 1,1,1 trichloroethane and methylene chloride emissions are less than 10 tons per year, each. Since the miscellaneous chemical usage was considered when developing the VOC usage limitation in Condition D.1.2, there will be no changes to the permit as a result of this oversight. The estimates for benzene, dichlorobenzene, hexane, cadmium, manganese, nickel and lead result from natural gas combustion at the source.

**Comment 7:**

Technical Support Document (calculations): The transfer efficiency of 75 percent is incorrect. The emission calculations included with the Title V permit application (Appendices B and C) use an estimated transfer efficiency of 40 percent.

**Response 7:**

Revised calculations are included as Attachment 1 to this TSD addendum. There are no changes to the conditions of the permit as a result of this comment.

**Attachment 1: Federal Potential Emissions Calculations  
VOC and Particulate  
From Surface Coating Operations**

**Company Name:** Textron Automotive Company  
**Address City IN Zip:** 2782 East U.S. Highway 52, Morristown, IN 46161  
**Part 70:** T145-7514  
**Pit ID:** 145-00033  
**Reviewer:** CarrieAnn Ortolani  
**Date:** June 7, 1999

Material	Density (lb/gal)	Weight % Volatile (H2O & Organics)	Weight % Water	Weight % Organics	Volume % Water	Volume % Non-Vol (solids)	Gal of Mat (gal/unit)	Maximum (unit/hour)	Flash-off (fraction)	Pounds VOC per gallon of coating less water	Pounds VOC per gallon of coating	Potential VOC pounds per hour	Potential VOC pounds per day	Potential VOC tons per year	Particulate Potential tons per year	lb VOC /gal solids	Transfer Efficiency
<b>HA5</b>																	
CBC 51298	8.25	39.08%	0.0%	39.1%	0.0%	52.47%	0.00160	625	1.000	3.22	3.22	3.22	77.38	14.12	13.21	6.14	40%
Isobutylacetate	7.28	100.00%	0.0%	100.00%	0.0%	0.00%	0.00040	625	1.000	7.28	7.28	1.82	43.65	7.97	0.00	N/A	40%
<b>R-T-S</b>	<b>8.06</b>	<b>50.09%</b>	<b>0.0%</b>	<b>50.09%</b>	<b>0.0%</b>	<b>41.98%</b>	<b>0.00200</b>	<b>625</b>	<b>1.000</b>	<b>4.03</b>	<b>4.03</b>	<b>5.04</b>	<b>121.03</b>	<b>22.09</b>	<b>13.21</b>	<b>9.61</b>	<b>40%</b>
DMT 9517	7.73	68.00%	0.0%	68.0%	0.0%	23.00%	0.00133	625	1.000	5.26	5.26	4.37	104.87	19.14	5.40	22.85	40%
S2790	7.02	100.00%	0.0%	100.00%	0.0%	0.00%	0.00067	625	1.000	7.02	7.02	2.94	70.57	12.88	0.00	N/A	40%
<b>R-T-S</b>	<b>7.49</b>	<b>78.05%</b>	<b>0.0%</b>	<b>78.05%</b>	<b>0.0%</b>	<b>15.30%</b>	<b>0.00200</b>	<b>625</b>	<b>1.000</b>	<b>5.85</b>	<b>5.85</b>	<b>7.31</b>	<b>175.44</b>	<b>32.02</b>	<b>5.40</b>	<b>38.23</b>	<b>40%</b>
											<b>Worst Case:</b>	<b>7.31</b>	<b>175</b>	<b>32.0</b>	<b>13.2</b>		
<b>HA6</b>																	
UHD19KP-A Paint-Black	8.20	67.00%	0.0%	67.0%	0.0%	36.00%	0.00067	275	1.000	5.49	5.49	1.01	24.29	4.43	1.31	15.26	40%
MEK/ Isobutylacetate	7.00	100.00%	0.0%	100.00%	0.0%	0.00%	0.00033	275	1.000	7.00	7.00	0.64	15.24	2.78	0.00	N/A	40%
<b>R-T-S</b>	<b>7.80</b>	<b>76.77%</b>	<b>0.0%</b>	<b>76.77%</b>	<b>0.0%</b>	<b>24.12%</b>	<b>0.00100</b>	<b>275</b>	<b>1.000</b>	<b>5.99</b>	<b>5.99</b>	<b>1.65</b>	<b>39.54</b>	<b>7.22</b>	<b>1.31</b>	<b>24.84</b>	<b>40%</b>
CBC 51298	8.25	39.08%	0.0%	39.1%	0.0%	52.47%	0.00080	275	1.000	3.22	3.22	0.71	17.02	3.11	2.91	6.14	40%
Isobutylacetate	7.28	100.00%	0.0%	100.00%	0.0%	0.00%	0.00020	275	1.000	7.28	7.28	0.40	9.60	1.75	0.00	N/A	40%
<b>R-T-S</b>	<b>8.06</b>	<b>50.09%</b>	<b>0.0%</b>	<b>50.09%</b>	<b>0.0%</b>	<b>41.98%</b>	<b>0.00100</b>	<b>275</b>	<b>1.000</b>	<b>4.03</b>	<b>4.03</b>	<b>1.11</b>	<b>26.63</b>	<b>4.86</b>	<b>2.91</b>	<b>9.61</b>	<b>40%</b>
DMT 9517	7.73	68.00%	0.0%	68.0%	0.0%	23.00%	0.00050	275	1.000	5.26	5.26	0.72	17.35	3.17	0.89	22.85	40%
S2790	7.02	100.00%	0.0%	100.00%	0.0%	0.00%	0.00050	275	1.000	7.02	7.02	0.97	23.17	4.23	0.00	N/A	40%
<b>R-T-S</b>	<b>7.38</b>	<b>83.23%</b>	<b>0.0%</b>	<b>83.23%</b>	<b>0.0%</b>	<b>11.50%</b>	<b>0.00100</b>	<b>275</b>	<b>1.000</b>	<b>6.14</b>	<b>6.14</b>	<b>1.69</b>	<b>40.52</b>	<b>7.39</b>	<b>0.89</b>	<b>53.39</b>	<b>40%</b>
<b>DEM 9440</b>	<b>7.91</b>	<b>68.00%</b>	<b>0.0%</b>	<b>68.0%</b>	<b>0.0%</b>	<b>23.00%</b>	<b>0.00100</b>	<b>275</b>	<b>1.000</b>	<b>5.38</b>	<b>5.38</b>	<b>1.48</b>	<b>35.50</b>	<b>6.48</b>	<b>1.83</b>	<b>23.39</b>	<b>40%</b>
LE20096	8.28	49.30%	0.0%	49.3%	0.0%	42.34%	0.00067	275	1.000	4.08	4.08	0.75	18.05	3.29	2.03	9.64	40%
MEK	6.72	100.00%	0.0%	100.00%	0.0%	0.00%	0.00033	275	1.000	6.72	6.72	0.61	14.64	2.67	0.00	N/A	40%
<b>R-T-S</b>	<b>7.77</b>	<b>63.78%</b>	<b>0.0%</b>	<b>63.78%</b>	<b>0.0%</b>	<b>28.37%</b>	<b>0.00100</b>	<b>275</b>	<b>1.000</b>	<b>4.95</b>	<b>4.95</b>	<b>1.36</b>	<b>32.69</b>	<b>5.97</b>	<b>2.03</b>	<b>17.46</b>	<b>40%</b>
											<b>Worst Case:</b>	<b>1.69</b>	<b>40.5</b>	<b>7.39</b>	<b>2.91</b>		
<b>HA7</b>																	
DMT 9517	7.73	68.00%	0.0%	68.0%	0.0%	23.00%	0.00400	425	1.000	5.26	5.26	8.94	214.46	39.14	11.05	22.85	40%
S2790	7.02	100.00%	0.0%	100.00%	0.0%	0.00%	0.00100	425	1.000	7.02	7.02	2.98	71.63	13.07	0.00	N/A	40%
<b>R-T-S</b>	<b>7.59</b>	<b>73.92%</b>	<b>0.0%</b>	<b>73.92%</b>	<b>0.0%</b>	<b>18.40%</b>	<b>0.00500</b>	<b>425</b>	<b>1.000</b>	<b>5.61</b>	<b>5.61</b>	<b>11.92</b>	<b>286.09</b>	<b>52.21</b>	<b>11.05</b>	<b>30.49</b>	<b>40%</b>
<b>HS13</b>																	
283SL21537	8.04	60.28%	0.0%	60.3%	0.0%	30.88%	0.00800	90	1.000	4.85	4.85	3.49	83.75	15.28	6.04	15.70	40%
S2790	7.02	100.00%	0.0%	100.00%	0.0%	0.00%	0.00200	90	1.000	7.02	7.02	1.26	30.34	5.54	0.00	N/A	40%
<b>R-T-S</b>	<b>7.84</b>	<b>67.40%</b>	<b>0.0%</b>	<b>67.40%</b>	<b>0.0%</b>	<b>24.70%</b>	<b>0.01000</b>	<b>90</b>	<b>1.000</b>	<b>5.28</b>	<b>5.28</b>	<b>4.75</b>	<b>114.08</b>	<b>20.82</b>	<b>6.04</b>	<b>21.38</b>	<b>40%</b>
<b>HS14</b>																	
283SL21537	8.04	60.28%	0.0%	60.3%	0.0%	30.88%	0.00750	90	1.000	4.85	4.85	3.27	78.51	14.33	5.66	15.69	40%
MEK	6.72	100.00%	0.0%	100.00%	0.0%	0.00%	0.00250	90	1.000	6.72	6.72	1.51	36.30	6.62	0.00	N/A	40%
<b>R-T-S</b>	<b>7.71</b>	<b>68.94%</b>	<b>0.0%</b>	<b>68.94%</b>	<b>0.0%</b>	<b>23.16%</b>	<b>0.01000</b>	<b>90</b>	<b>1.000</b>	<b>5.32</b>	<b>5.32</b>	<b>4.78</b>	<b>114.81</b>	<b>20.95</b>	<b>5.66</b>	<b>22.95</b>	<b>40%</b>
79071	7.86	69.75%	0.0%	69.7%	0.0%	30.25%	0.00500	90	1.000	5.48	5.48	2.47	59.20	10.80	2.81	18.12	40%
MEK	6.72	100.00%	0.0%	100.00%	0.0%	0.00%	0.00500	90	1.000	6.72	6.72	3.02	72.60	13.25	0.00	N/A	40%
<b>R-T-S</b>	<b>7.29</b>	<b>83.69%</b>	<b>0.0%</b>	<b>83.69%</b>	<b>0.0%</b>	<b>15.13%</b>	<b>0.01000</b>	<b>90</b>	<b>1.000</b>	<b>6.10</b>	<b>6.10</b>	<b>5.49</b>	<b>131.80</b>	<b>24.05</b>	<b>2.81</b>	<b>40.34</b>	<b>40%</b>
AE261-30349	8.57	60.99%	0.0%	61.0%	0.0%	25.47%	0.00667	90	1.000	5.22	5.22	3.14	75.28	13.74	5.27	20.52	40%
S2790	7.02	100.00%	0.0%	100.00%	0.0%	0.00%	0.00333	90	1.000	7.02	7.02	2.10	50.51	9.22	0.00	N/A	40%
<b>R-T-S</b>	<b>8.05</b>	<b>72.31%</b>	<b>0.0%</b>	<b>72.31%</b>	<b>0.0%</b>	<b>16.99%</b>	<b>0.01000</b>	<b>90</b>	<b>1.000</b>	<b>5.82</b>	<b>5.82</b>	<b>5.24</b>	<b>125.79</b>	<b>22.96</b>	<b>5.27</b>	<b>34.29</b>	<b>40%</b>
											<b>Worst Case:</b>	<b>5.49</b>	<b>132</b>	<b>24.1</b>	<b>5.66</b>		
<b>HS15</b>																	
SF14MAPD	8.39	53.00%	0.0%	53.0%	0.0%	55.00%	0.00333	275	1.000	4.45	4.45	4.07	97.73	17.84	9.49	8.08	40%
MEK	6.72	100.00%	0.0%	100.00%	0.0%	0.00%	0.00167	275	1.000	6.72	6.72	3.09	74.09	13.52	0.00	N/A	40%
<b>R-T-S</b>	<b>7.83</b>	<b>66.47%</b>	<b>0.0%</b>	<b>66.47%</b>	<b>0.0%</b>	<b>36.63%</b>	<b>0.00500</b>	<b>275</b>	<b>1.000</b>	<b>5.21</b>	<b>5.21</b>	<b>7.16</b>	<b>171.82</b>	<b>31.36</b>	<b>9.49</b>	<b>14.21</b>	<b>40%</b>
283SL21537	8.04	60.28%	0.0%	60.3%	0.0%	30.88%	0.00333	275	1.000	4.85	4.85	4.44	106.52	19.44	7.69	15.69	40%
MEK	6.72	100.00%	0.0%	100.00%	0.0%	0.00%	0.00167	275	1.000	6.72	6.72	3.09	74.09	13.52	0.00	N/A	40%
<b>R-T-S</b>	<b>7.60</b>	<b>72.01%</b>	<b>0.0%</b>	<b>72.01%</b>	<b>0.0%</b>	<b>20.57%</b>	<b>0.00500</b>	<b>275</b>	<b>1.000</b>	<b>5.47</b>	<b>5.47</b>	<b>7.53</b>	<b>180.61</b>	<b>32.96</b>	<b>7.69</b>	<b>26.61</b>	<b>40%</b>
283SL21978	8.12	56.85%	0.0%	56.8%	0.0%	33.94%	0.00333	275	1.000	4.62	4.62	4.23	101.51	18.52	8.44	13.61	40%
MEK	6.72	100.00%	0.0%	100.00%	0.0%	0.00%	0.00167	275	1.000	6.72	6.72	3.09	74.09	13.52	0.00	N/A	40%
<b>R-T-S</b>	<b>7.66</b>	<b>69.50%</b>	<b>0.0%</b>	<b>69.50%</b>	<b>0.0%</b>	<b>22.60%</b>	<b>0.00500</b>	<b>275</b>	<b>1.000</b>	<b>5.32</b>	<b>5.32</b>	<b>7.32</b>	<b>175.60</b>	<b>32.05</b>	<b>8.44</b>	<b>23.54</b>	<b>40%</b>
91103RTW7CC	9.30	49.00%	0.0%	49.0%	0.0%	30.00%	0.00400	275	1.000	4.56	4.56	5.01	120.30	21.96	13.71	15.19	40%
S0473	7.30	100.00%	0.0%	100.00%	0.0%	0.00%	0.00100	275	1.000	7.30	7.30	2.01	48.18	8.79	0.00	N/A	40%
<b>R-T-S</b>	<b>8.90</b>	<b>57.37%</b>	<b>0.0%</b>	<b>57.37%</b>	<b>0.0%</b>	<b>24.00%</b>	<b>0.00500</b>	<b>275</b>	<b>1.000</b>	<b>5.11</b>	<b>5.11</b>	<b>7.02</b>	<b>168.48</b>	<b>30.75</b>	<b>13.71</b>	<b>21.27</b>	<b>40%</b>
87009RTW7CC	7.70	65.00%	0.0%	65.0%	0.0%	24.00%	0.00333	275	1.000	5.01	5.01	4.58	110.00	20.07	6.49	20.85	40%
S0473	7.30	100.00%	0.0%	100.00%	0.0%	0.00%	0.00167	275	1.000	7.30	7.30	3.35	80.46	14.68	0.00	N/A	40%
<b>R-T-S</b>	<b>7.57</b>	<b>76.28%</b>	<b>0.0%</b>	<b>76.28%</b>	<b>0.0%</b>	<b>15.98%</b>	<b>0.00500</b>	<b>275</b>	<b>1.000</b>	<b>5.77</b>	<b>5.77</b>	<b>7.94</b>	<b>190.46</b>	<b>34.76</b>	<b>6.49</b>	<b>36.11</b>	<b>40%</b>
											<b>Worst Case:</b>	<b>7.94</b>	<b>190</b>	<b>34.8</b>	<b>13.7</b>		

Material	Density (lb/gal)	Weight % Volatile (H2O & Organics)	Weight % Water	Weight % Organics	Volume % Water	Volume % Non-Vol (solids)	Gal of Mat (gal/unit)	Maximum (unit/hour)	Flash-off (fraction)	Pounds VOC per gallon of coating less water	Pounds VOC per gallon of coating	Potential VOC pounds per hour	Potential VOC pounds per day	Potential VOC tons per year	Particulate Potential tons per year	lb VOC /gal solids	Transfer Efficiency
<b>HS17</b>																	
79071	7.86	69.75%	0.1%	69.7%	0.0%	30.25%	0.00750	75	1.000	5.48	5.48	3.08	73.95	13.50	3.51	18.11	40%
MEK	6.72	100.00%	0.0%	100.00%	0.0%	0.00%	0.00750	75	1.000	6.72	6.72	3.78	90.75	16.56	0.00	N/A	40%
<b>R-T-S</b>	<b>7.29</b>	<b>83.69%</b>	<b>0.0%</b>	<b>83.66%</b>	<b>0.0%</b>	<b>15.13%</b>	<b>0.01500</b>	<b>75</b>	<b>1.000</b>	<b>6.10</b>	<b>6.10</b>	<b>6.86</b>	<b>164.70</b>	<b>30.06</b>	<b>3.51</b>	<b>40.33</b>	<b>40%</b>
93100RTW7CC	7.70	66.00%	0.0%	66.0%	0.0%	24.00%	0.01000	75	1.000	5.08	5.08	3.81	91.48	16.69	5.16	21.18	40%
S0473	7.30	100.00%	0.0%	100.00%	0.0%	0.00%	0.00500	75	1.000	7.30	7.30	2.74	65.70	11.99	0.00	N/A	40%
<b>R-T-S</b>	<b>7.57</b>	<b>76.93%</b>	<b>0.0%</b>	<b>76.93%</b>	<b>0.0%</b>	<b>16.00%</b>	<b>0.01500</b>	<b>75</b>	<b>1.000</b>	<b>5.82</b>	<b>5.82</b>	<b>6.55</b>	<b>157.18</b>	<b>28.68</b>	<b>5.16</b>	<b>36.38</b>	<b>40%</b>
UR569	7.50	76.00%	0.0%	76.0%	0.0%	18.00%	0.00750	75	1.000	5.70	5.70	3.21	76.95	14.04	2.66	31.67	40%
S0473	7.30	100.00%	0.0%	100.00%	0.0%	0.00%	0.00750	75	1.000	7.30	7.30	4.11	98.55	17.99	0.00	N/A	40%
<b>R-T-S</b>	<b>7.40</b>	<b>87.84%</b>	<b>0.0%</b>	<b>87.84%</b>	<b>0.0%</b>	<b>9.00%</b>	<b>0.01500</b>	<b>75</b>	<b>1.000</b>	<b>6.50</b>	<b>6.50</b>	<b>7.31</b>	<b>175.50</b>	<b>32.03</b>	<b>2.66</b>	<b>72.22</b>	<b>40%</b>
AE26130349	8.57	60.99%	0.0%	61.0%	0.0%	25.47%	0.01000	75	1.000	5.22	5.22	3.92	94.05	17.16	6.59	20.52	40%
S2791	6.62	100.00%	0.0%	100.00%	0.0%	0.00%	0.00500	75	1.000	6.62	6.62	2.48	59.58	10.87	0.00	N/A	40%
<b>R-T-S</b>	<b>7.92</b>	<b>71.86%</b>	<b>0.0%</b>	<b>71.86%</b>	<b>0.0%</b>	<b>16.98%</b>	<b>0.01500</b>	<b>75</b>	<b>1.000</b>	<b>5.69</b>	<b>5.69</b>	<b>6.40</b>	<b>153.63</b>	<b>28.04</b>	<b>6.59</b>	<b>33.52</b>	<b>40%</b>
											<b>Worst Case:</b>	<b>7.31</b>	<b>176</b>	<b>32.0</b>	<b>6.59</b>		
<b>HS18</b>																	
79071 Black	7.86	69.75%	0.0%	69.8%	0.0%	30.25%	0.00750	75	1.000	5.48	5.48	3.08	74.01	13.51	3.51	18.12	40%
MEK	6.72	100.00%	0.0%	100.00%	0.0%	0.00%	0.00750	75	1.000	6.72	6.72	3.78	90.75	16.56	0.00	N/A	40%
<b>R-T-S</b>	<b>7.29</b>	<b>83.69%</b>	<b>0.0%</b>	<b>83.69%</b>	<b>0.0%</b>	<b>15.13%</b>	<b>0.01500</b>	<b>75</b>	<b>1.000</b>	<b>6.10</b>	<b>6.10</b>	<b>6.86</b>	<b>164.76</b>	<b>30.07</b>	<b>3.51</b>	<b>40.35</b>	<b>40%</b>
283SL21537	8.04	60.28%	0.0%	60.3%	0.0%	30.88%	0.01125	75	1.000	4.85	4.85	4.09	98.14	17.91	7.08	15.70	40%
MEK	6.72	100.00%	0.0%	100.00%	0.0%	0.00%	0.00370	75	1.000	6.72	6.72	1.87	44.77	8.17	0.00	N/A	40%
<b>R-T-S</b>	<b>7.71</b>	<b>68.85%</b>	<b>0.0%</b>	<b>68.85%</b>	<b>0.0%</b>	<b>23.24%</b>	<b>0.01500</b>	<b>75</b>	<b>1.000</b>	<b>5.31</b>	<b>5.31</b>	<b>5.97</b>	<b>143.39</b>	<b>26.17</b>	<b>7.10</b>	<b>22.86</b>	<b>40%</b>
28SL21978	8.12	56.85%	0.0%	56.8%	0.0%	33.94%	0.01000	75	1.000	4.62	4.62	3.46	83.13	15.17	6.91	13.61	40%
MEK	6.72	100.00%	0.0%	100.00%	0.0%	0.00%	0.00500	75	1.000	6.72	6.72	2.52	60.50	11.04	0.00	N/A	40%
<b>R-T-S</b>	<b>7.66</b>	<b>69.47%</b>	<b>0.0%</b>	<b>69.47%</b>	<b>0.0%</b>	<b>22.63%</b>	<b>0.01500</b>	<b>75</b>	<b>1.000</b>	<b>5.32</b>	<b>5.32</b>	<b>5.98</b>	<b>143.63</b>	<b>26.21</b>	<b>6.91</b>	<b>23.51</b>	<b>40%</b>
2696V50129	7.70	64.00%	0.0%	64.0%	0.0%	25.00%	0.01000	75	1.000	4.93	4.93	3.70	88.70	16.19	5.46	19.71	40%
MEK	6.72	100.00%	0.0%	100.00%	0.0%	0.00%	0.00500	75	1.000	6.72	6.72	2.52	60.50	11.04	0.00	N/A	40%
<b>R-T-S</b>	<b>7.37</b>	<b>74.94%</b>	<b>0.0%</b>	<b>74.94%</b>	<b>0.0%</b>	<b>16.67%</b>	<b>0.01500</b>	<b>75</b>	<b>1.000</b>	<b>5.53</b>	<b>5.53</b>	<b>6.22</b>	<b>149.20</b>	<b>27.23</b>	<b>5.46</b>	<b>33.16</b>	<b>40%</b>
86191RTW7CC	7.60	68.00%	0.0%	68.0%	0.0%	22.00%	0.01000	75	1.000	5.17	5.17	3.88	93.02	16.98	4.79	23.49	40%
MEK	6.72	100.00%	0.0%	100.00%	0.0%	0.00%	0.00500	75	1.000	6.72	6.72	2.52	60.50	11.04	0.00	N/A	40%
<b>R-T-S</b>	<b>7.31</b>	<b>77.81%</b>	<b>0.0%</b>	<b>77.81%</b>	<b>0.0%</b>	<b>14.67%</b>	<b>0.01500</b>	<b>75</b>	<b>1.000</b>	<b>5.69</b>	<b>5.69</b>	<b>6.40</b>	<b>153.52</b>	<b>28.02</b>	<b>4.79</b>	<b>38.77</b>	<b>40%</b>
UR569	7.50	76.00%	0.0%	76.0%	0.0%	18.00%	0.00750	75	1.000	5.70	5.70	3.21	76.95	14.04	2.66	31.67	40%
MEK	6.72	100.00%	0.0%	100.00%	0.0%	0.00%	0.00750	75	1.000	6.72	6.72	3.78	90.75	16.56	0.00	N/A	40%
<b>R-T-S</b>	<b>7.11</b>	<b>87.34%</b>	<b>0.0%</b>	<b>87.34%</b>	<b>0.0%</b>	<b>9.00%</b>	<b>0.01500</b>	<b>75</b>	<b>1.000</b>	<b>6.21</b>	<b>6.21</b>	<b>6.99</b>	<b>167.70</b>	<b>30.60</b>	<b>2.66</b>	<b>69.01</b>	<b>40%</b>
											<b>Worst Case:</b>	<b>6.99</b>	<b>168</b>	<b>30.6</b>	<b>7.10</b>		
<b>HS19</b>																	
79071 Black	7.86	69.75%	0.1%	69.7%	0.0%	30.25%	0.00013	10000	1.000	5.48	5.48	7.12	170.90	31.19	8.12	18.11	40%
MEK	6.72	100.00%	0.0%	100.00%	0.0%	0.00%	0.00013	10000	1.000	6.72	6.72	8.74	209.73	38.28	0.00	N/A	40%
<b>R-T-S</b>	<b>7.29</b>	<b>83.69%</b>	<b>0.0%</b>	<b>83.66%</b>	<b>0.0%</b>	<b>15.13%</b>	<b>0.00025</b>	<b>10000</b>	<b>1.000</b>	<b>6.10</b>	<b>6.10</b>	<b>15.25</b>	<b>365.99</b>	<b>66.79</b>	<b>7.81</b>	<b>40.33</b>	<b>40%</b>
80261N874	7.20	82.00%	0.0%	82.0%	0.0%	12.00%	0.00017	10000	1.000	5.90	5.90	10.04	240.88	43.96	5.79	49.20	40%
MEK	6.72	100.00%	0.0%	100.00%	0.0%	0.00%	0.00008	10000	1.000	6.72	6.72	5.38	129.06	23.55	0.00	N/A	40%
<b>R-T-S</b>	<b>7.05</b>	<b>87.49%</b>	<b>0.0%</b>	<b>87.49%</b>	<b>0.0%</b>	<b>8.16%</b>	<b>0.00025</b>	<b>10000</b>	<b>1.000</b>	<b>6.17</b>	<b>6.17</b>	<b>15.41</b>	<b>369.95</b>	<b>67.52</b>	<b>5.79</b>	<b>75.56</b>	<b>40%</b>
60230W7E	7.50	67.00%	0.0%	67.0%	0.0%	25.00%	0.00013	10000	1.000	5.03	5.03	6.53	156.78	28.61	8.46	20.10	40%
MEK	6.72	100.00%	0.0%	100.00%	0.0%	0.00%	0.00013	10000	1.000	6.72	6.72	8.74	209.73	38.28	0.00	N/A	40%
<b>R-T-S</b>	<b>7.11</b>	<b>82.60%</b>	<b>0.0%</b>	<b>82.60%</b>	<b>0.0%</b>	<b>12.50%</b>	<b>0.00025</b>	<b>10000</b>	<b>1.000</b>	<b>5.87</b>	<b>5.87</b>	<b>14.68</b>	<b>352.41</b>	<b>64.32</b>	<b>8.13</b>	<b>46.99</b>	<b>40%</b>
89198N420	8.80	59.00%	0.0%	59.0%	0.0%	28.00%	0.00017	10000	1.000	5.19	5.19	8.83	211.83	38.66	16.12	18.54	40%
MEK	6.72	100.00%	0.0%	100.00%	0.0%	0.00%	0.00008	10000	1.000	6.72	6.72	5.38	129.06	23.55	0.00	N/A	40%
<b>R-T-S</b>	<b>8.14</b>	<b>69.84%</b>	<b>0.0%</b>	<b>69.84%</b>	<b>0.0%</b>	<b>19.04%</b>	<b>0.00025</b>	<b>10000</b>	<b>1.000</b>	<b>5.68</b>	<b>5.68</b>	<b>14.20</b>	<b>340.90</b>	<b>62.21</b>	<b>16.12</b>	<b>29.84</b>	<b>40%</b>
AE26117656	8.57	60.44%	0.0%	60.4%	0.0%	26.00%	0.00017	10000	1.000	5.18	5.18	8.81	211.34	38.57	15.15	19.92	40%
S2791	6.62	100.00%	0.0%	100.00%	0.0%	0.00%	0.00008	10000	1.000	6.62	6.62	5.30	127.10	23.20	0.00	N/A	40%
<b>R-T-S</b>	<b>7.95</b>	<b>70.99%</b>	<b>0.0%</b>	<b>70.99%</b>	<b>0.0%</b>	<b>17.68%</b>	<b>0.00025</b>	<b>10000</b>	<b>1.000</b>	<b>5.64</b>	<b>5.64</b>	<b>14.10</b>	<b>338.45</b>	<b>61.77</b>	<b>15.15</b>	<b>31.90</b>	<b>40%</b>
AE26117045	8.14	65.26%	0.0%	65.3%	0.0%	24.12%	0.00017	10000	1.000	5.31	5.31	9.03	216.65	39.54	12.63	22.02	40%
S2791	6.62	100.00%	0.0%	100.00%	0.0%	0.00%	0.00008	10000	1.000	6.62	6.62	5.30	127.10	23.20	0.00	N/A	40%
<b>R-T-S</b>	<b>7.65</b>	<b>74.88%</b>	<b>0.0%</b>	<b>74.88%</b>	<b>0.0%</b>	<b>16.40%</b>	<b>0.00025</b>	<b>10000</b>	<b>1.000</b>	<b>5.73</b>	<b>5.73</b>	<b>14.32</b>	<b>343.75</b>	<b>62.74</b>	<b>12.63</b>	<b>34.94</b>	<b>40%</b>
											<b>Worst Case:</b>	<b>15.4</b>	<b>370</b>	<b>67.5</b>	<b>16.1</b>		
<b>9</b>																	
<b>DEM9440</b>	<b>7.91</b>	<b>68.00%</b>	<b>0.0%</b>	<b>68.0%</b>	<b>0.0%</b>	<b>26.00%</b>	<b>0.00097</b>	<b>750</b>	<b>1.000</b>	<b>5.38</b>	<b>5.38</b>	<b>3.91</b>	<b>93.91</b>	<b>17.14</b>	<b>4.84</b>	<b>20.69</b>	<b>40%</b>
UHD46KP	8.20	67.00%	0.0%	67.0%	0.0%	33.00%	0.00078	750	1.000	5.49	5.49	3.21	77.14	14.08	4.16	16.65	40%
MEK/ Isobutylacetate	7.00	100.00%	0.0%	100.00%	0.0%	0.00%	0.00019	750	1.000	7.00	7.00	1.00	23.94	4.37	0.00	N/A	40%
<b>R-T-S</b>	<b>7.96</b>	<b>72.68%</b>	<b>0.0%</b>	<b>72.68%</b>	<b>0.0%</b>	<b>26.54%</b>	<b>0.00097</b>	<b>750</b>	<b>1.000</b>	<b>5.79</b>	<b>5.79</b>	<b>4.21</b>	<b>101.07</b>	<b>18.45</b>	<b>4.16</b>	<b>21.81</b>	<b>40%</b>
											<b>Worst Case:</b>	<b>4.21</b>	<b>101</b>	<b>18.4</b>	<b>4.84</b>		

Material	Density (lb/gal)	Weight % Volatile (H2O & Organics)	Weight % Water	Weight % Organics	Volume % Water	Volume % Non-Vol (solids)	Gal of Mat (gal/unit)	Maximum (unit/hour)	Flash-off (fraction)	Pounds VOC per gallon of coating less water	Pounds VOC per gallon of coating	Potential VOC pounds per hour	Potential VOC pounds per day	Potential VOC tons per year	Particulate Potential tons per year	lb VOC /gal solids	Transfer Efficiency
<b>10</b>																	
DMT9517	7.73	68.00%	0.0%	68.0%	0.0%	26.00%	0.00073	375	1.000	5.26	5.26	1.44	34.53	6.30	1.78	20.22	40%
S2790	7.02	100.00%	0.0%	100.00%	0.0%	0.00%	0.00024	375	1.000	7.02	7.02	0.63	15.17	2.77	0.00	N/A	40%
<b>R-T-S</b>	<b>7.55</b>	<b>75.36%</b>	<b>0.0%</b>	<b>75.36%</b>	<b>0.0%</b>	<b>19.57%</b>	<b>0.00097</b>	<b>375</b>	<b>1.000</b>	<b>5.69</b>	<b>5.69</b>	<b>2.07</b>	<b>49.70</b>	<b>9.07</b>	<b>1.78</b>	<b>29.10</b>	<b>40%</b>
<b>DEM9440</b>	<b>7.91</b>	<b>68.00%</b>	<b>0.0%</b>	<b>68.0%</b>	<b>0.0%</b>	<b>26.00%</b>	<b>0.00097</b>	<b>375</b>	<b>1.000</b>	<b>5.38</b>	<b>5.38</b>	<b>1.96</b>	<b>46.96</b>	<b>8.57</b>	<b>2.42</b>	<b>20.69</b>	<b>40%</b>
HD7CPB1 Paint-Clearcoat	8.25	46.00%	0.0%	46.0%	0.0%	51.00%	0.00073	375	1.000	3.80	3.80	1.04	24.93	4.55	3.20	7.44	40%
MEK/ Isobutylacetate	7.00	100.00%	0.0%	100.00%	0.0%	0.00%	0.00024	375	1.000	7.00	7.00	0.63	15.12	2.76	0.00	N/A	40%
<b>R-T-S</b>	<b>7.94</b>	<b>57.78%</b>	<b>0.0%</b>	<b>57.78%</b>	<b>0.0%</b>	<b>38.38%</b>	<b>0.00097</b>	<b>375</b>	<b>1.000</b>	<b>4.59</b>	<b>4.59</b>	<b>1.67</b>	<b>40.05</b>	<b>7.31</b>	<b>3.20</b>	<b>11.95</b>	<b>40%</b>
DBU88	8.09	54.09%	0.0%	54.1%	0.0%	39.82%	0.00073	375	1.000	4.38	4.38	1.20	28.75	5.25	2.67	10.99	40%
S2790	7.02	100.00%	0.0%	100.00%	0.0%	0.00%	0.00024	375	1.000	7.02	7.02	0.63	15.17	2.77	0.00	N/A	40%
<b>R-T-S</b>	<b>7.83</b>	<b>64.28%</b>	<b>0.0%</b>	<b>64.28%</b>	<b>0.0%</b>	<b>29.97%</b>	<b>0.00097</b>	<b>375</b>	<b>1.000</b>	<b>5.03</b>	<b>5.03</b>	<b>1.83</b>	<b>43.92</b>	<b>8.01</b>	<b>2.67</b>	<b>16.79</b>	<b>40%</b>
CBC51298	8.25	39.08%	0.0%	39.1%	0.0%	52.47%	0.00078	375	1.000	3.22	3.22	0.94	22.63	4.13	3.86	6.14	40%
Isobutylacetate	7.28	100.00%	0.0%	100.00%	0.0%	0.00%	0.00019	375	1.000	7.28	7.28	0.52	12.44	2.27	0.00	N/A	40%
<b>R-T-S</b>	<b>8.06</b>	<b>49.85%</b>	<b>0.0%</b>	<b>49.85%</b>	<b>0.0%</b>	<b>42.19%</b>	<b>0.00097</b>	<b>375</b>	<b>1.000</b>	<b>4.02</b>	<b>4.02</b>	<b>1.46</b>	<b>35.07</b>	<b>6.40</b>	<b>3.86</b>	<b>9.52</b>	<b>40%</b>
											<b>Worst Case:</b>	<b>2.07</b>	<b>49.7</b>	<b>9.07</b>	<b>3.86</b>		
<b>11</b>																	
UHD19KP-A Paint-Black	8.20	67.00%	0.0%	67.0%	0.0%	36.00%	0.00065	375	1.000	5.49	5.49	1.34	32.14	5.87	1.73	15.26	40%
MEK/ Isobutylacetate	7.00	100.00%	0.0%	100.00%	0.0%	0.00%	0.00032	375	1.000	7.00	7.00	0.84	20.16	3.68	0.00	N/A	40%
<b>R-T-S</b>	<b>7.80</b>	<b>76.76%</b>	<b>0.0%</b>	<b>76.76%</b>	<b>0.0%</b>	<b>24.12%</b>	<b>0.00097</b>	<b>375</b>	<b>1.000</b>	<b>5.99</b>	<b>5.99</b>	<b>2.18</b>	<b>52.30</b>	<b>9.54</b>	<b>1.73</b>	<b>24.83</b>	<b>40%</b>
DCT3000	8.48	32.13%	0.0%	32.1%	0.0%	61.54%	0.00078	375	1.000	2.72	2.72	0.80	19.13	3.49	4.42	4.43	40%
Isobutylacetate	7.28	100.00%	0.0%	100.00%	0.0%	0.00%	0.00019	375	1.000	7.28	7.28	0.52	12.44	2.27	0.00	N/A	40%
<b>R-T-S</b>	<b>8.24</b>	<b>43.86%</b>	<b>0.0%</b>	<b>43.86%</b>	<b>0.0%</b>	<b>49.49%</b>	<b>0.00097</b>	<b>375</b>	<b>1.000</b>	<b>3.62</b>	<b>3.62</b>	<b>1.32</b>	<b>31.57</b>	<b>5.76</b>	<b>4.42</b>	<b>7.31</b>	<b>40%</b>
DBU88	8.09	54.09%	0.0%	54.1%	0.0%	39.82%	0.00073	375	1.000	4.38	4.38	1.20	28.75	5.25	2.67	10.99	40%
S2790	7.02	100.00%	0.0%	100.00%	0.0%	0.00%	0.00024	375	1.000	7.02	7.02	0.63	15.17	2.77	0.00	N/A	40%
<b>R-T-S</b>	<b>7.83</b>	<b>64.28%</b>	<b>0.0%</b>	<b>64.28%</b>	<b>0.0%</b>	<b>29.97%</b>	<b>0.00097</b>	<b>375</b>	<b>1.000</b>	<b>5.03</b>	<b>5.03</b>	<b>1.83</b>	<b>43.92</b>	<b>8.01</b>	<b>2.67</b>	<b>16.79</b>	<b>40%</b>
DMT 9517	7.73	68.00%	0.0%	68.0%	0.0%	26.00%	0.00049	375	1.000	5.26	5.26	0.97	23.18	4.23	1.19	20.22	40%
S2790	7.02	100.00%	0.0%	100.00%	0.0%	0.00%	0.00049	375	1.000	7.02	7.02	1.29	30.97	5.65	0.00	N/A	40%
<b>R-T-S</b>	<b>7.38</b>	<b>83.23%</b>	<b>0.0%</b>	<b>83.23%</b>	<b>0.0%</b>	<b>13.00%</b>	<b>0.00097</b>	<b>375</b>	<b>1.000</b>	<b>6.14</b>	<b>6.14</b>	<b>2.23</b>	<b>53.60</b>	<b>9.78</b>	<b>1.18</b>	<b>47.23</b>	<b>40%</b>
UHD46KP	8.20	67.00%	0.0%	67.0%	0.0%	33.00%	0.00073	375	1.000	5.49	5.49	1.50	36.10	6.59	1.95	16.65	40%
MEK/ Isobutylacetate	7.00	100.00%	0.0%	100.00%	0.0%	0.00%	0.00024	375	1.000	7.00	7.00	0.63	15.12	2.76	0.00	N/A	40%
<b>R-T-S</b>	<b>7.90</b>	<b>74.23%</b>	<b>0.0%</b>	<b>74.23%</b>	<b>0.0%</b>	<b>24.84%</b>	<b>0.00097</b>	<b>375</b>	<b>1.000</b>	<b>5.87</b>	<b>5.87</b>	<b>2.13</b>	<b>51.21</b>	<b>9.35</b>	<b>1.95</b>	<b>23.62</b>	<b>40%</b>
											<b>Worst Case:</b>	<b>2.23</b>	<b>53.6</b>	<b>9.78</b>	<b>4.42</b>		
<b>12</b>																	
DMT 9517	7.73	68.00%	0.0%	68.0%	0.0%	26.00%	0.00065	375	1.000	5.26	5.26	1.28	30.75	5.61	1.58	20.22	40%
S2790	7.02	100.00%	0.0%	100.00%	0.0%	0.00%	0.00032	375	1.000	7.02	7.02	0.84	20.22	3.69	0.00	N/A	40%
<b>R-T-S</b>	<b>7.50</b>	<b>77.89%</b>	<b>0.0%</b>	<b>77.89%</b>	<b>0.0%</b>	<b>17.42%</b>	<b>0.00097</b>	<b>375</b>	<b>1.000</b>	<b>5.84</b>	<b>5.84</b>	<b>2.12</b>	<b>50.97</b>	<b>9.30</b>	<b>1.58</b>	<b>33.51</b>	<b>40%</b>
<b>DEM9440</b>	<b>7.91</b>	<b>68.00%</b>	<b>0.0%</b>	<b>68.0%</b>	<b>0.0%</b>	<b>23.00%</b>	<b>0.00097</b>	<b>375</b>	<b>1.000</b>	<b>5.38</b>	<b>5.38</b>	<b>1.96</b>	<b>46.96</b>	<b>8.57</b>	<b>2.42</b>	<b>23.39</b>	<b>40%</b>
HD7CPB1 Paint-Clearcoat	8.25	46.00%	0.0%	46.0%	0.0%	51.00%	0.00065	375	1.000	3.80	3.80	0.93	22.20	4.05	2.85	7.44	40%
MEK/ Isobutylacetate	7.00	100.00%	0.0%	100.00%	0.0%	0.00%	0.00032	375	1.000	7.00	7.00	0.84	20.16	3.68	0.00	N/A	40%
<b>R-T-S</b>	<b>7.84</b>	<b>61.91%</b>	<b>0.0%</b>	<b>61.91%</b>	<b>0.0%</b>	<b>34.18%</b>	<b>0.00097</b>	<b>375</b>	<b>1.000</b>	<b>4.85</b>	<b>4.85</b>	<b>1.76</b>	<b>42.36</b>	<b>7.73</b>	<b>2.85</b>	<b>14.20</b>	<b>40%</b>
DBU88	8.09	54.09%	0.0%	54.1%	0.0%	39.82%	0.00065	375	1.000	4.38	4.38	1.07	25.60	4.67	2.38	10.99	40%
S2790	7.02	100.00%	0.0%	100.00%	0.0%	0.00%	0.00032	375	1.000	7.02	7.02	0.84	20.22	3.69	0.00	N/A	40%
<b>R-T-S</b>	<b>7.74</b>	<b>67.84%</b>	<b>0.0%</b>	<b>67.84%</b>	<b>0.0%</b>	<b>26.68%</b>	<b>0.00097</b>	<b>375</b>	<b>1.000</b>	<b>5.25</b>	<b>5.25</b>	<b>1.91</b>	<b>45.82</b>	<b>8.36</b>	<b>2.38</b>	<b>19.67</b>	<b>40%</b>
DCT3000	8.48	32.13%	0.0%	32.1%	0.0%	61.54%	0.00073	375	1.000	2.72	2.72	0.75	17.90	3.27	4.14	4.43	40%
Isobutylacetate	7.28	100.00%	0.0%	100.00%	0.0%	0.00%	0.00024	375	1.000	7.28	7.28	0.65	15.72	2.87	0.00	N/A	40%
<b>R-T-S</b>	<b>8.18</b>	<b>47.06%</b>	<b>0.0%</b>	<b>47.06%</b>	<b>0.0%</b>	<b>46.31%</b>	<b>0.00097</b>	<b>375</b>	<b>1.000</b>	<b>3.85</b>	<b>3.85</b>	<b>1.40</b>	<b>33.62</b>	<b>6.14</b>	<b>4.14</b>	<b>8.31</b>	<b>40%</b>
											<b>Worst Case:</b>	<b>2.12</b>	<b>51.0</b>	<b>9.30</b>	<b>4.14</b>		
<b>13</b>																	
UHD19KP-A Paint-Black	8.20	67.00%	0.0%	67.0%	0.0%	36.00%	0.00065	375	1.000	5.49	5.49	1.34	32.14	5.87	1.73	15.26	40%
MEK/ Isobutylacetate	7.00	100.00%	0.0%	100.00%	0.0%	0.00%	0.00032	375	1.000	7.00	7.00	0.84	20.16	3.68	0.00	N/A	40%
<b>R-T-S</b>	<b>7.80</b>	<b>76.76%</b>	<b>0.0%</b>	<b>76.76%</b>	<b>0.0%</b>	<b>24.12%</b>	<b>0.00097</b>	<b>375</b>	<b>1.000</b>	<b>5.99</b>	<b>5.99</b>	<b>2.18</b>	<b>52.30</b>	<b>9.54</b>	<b>1.73</b>	<b>24.83</b>	<b>40%</b>
DMT 9517	7.73	68.00%	0.0%	68.0%	0.0%	26.00%	0.00049	375	1.000	5.26	5.26	0.97	23.18	4.23	1.19	20.22	40%
S2790	7.02	100.00%	0.0%	100.00%	0.0%	0.00%	0.00049	375	1.000	7.02	7.02	1.29	30.97	5.65	0.00	N/A	40%
<b>R-T-S</b>	<b>7.38</b>	<b>83.23%</b>	<b>0.0%</b>	<b>83.23%</b>	<b>0.0%</b>	<b>13.00%</b>	<b>0.00097</b>	<b>375</b>	<b>1.000</b>	<b>6.14</b>	<b>6.14</b>	<b>2.23</b>	<b>53.60</b>	<b>9.78</b>	<b>1.18</b>	<b>47.23</b>	<b>40%</b>
<b>DEM 9440</b>	<b>7.91</b>	<b>68.00%</b>	<b>0.0%</b>	<b>68.0%</b>	<b>0.0%</b>	<b>23.00%</b>	<b>0.00097</b>	<b>375</b>	<b>1.000</b>	<b>5.38</b>	<b>5.38</b>	<b>1.96</b>	<b>46.96</b>	<b>8.57</b>	<b>2.42</b>	<b>23.39</b>	<b>40%</b>
HD18 MP-D	8.50	76.00%	0.0%	76.0%	0.0%	33.00%	0.00073	375	1.000	6.46	6.46	1.77	42.44	7.75	1.47	19.58	40%
Toluene	7.26	100.00%	0.0%	100.00%	0.0%	0.00%	0.00024	375	1.000	7.26	7.26	0.65	15.67	2.86	0.00	N/A	40%
<b>R-T-S</b>	<b>8.19</b>	<b>81.26%</b>	<b>0.0%</b>	<b>81.26%</b>	<b>0.0%</b>	<b>24.84%</b>	<b>0.00097</b>	<b>375</b>	<b>1.000</b>	<b>6.66</b>	<b>6.66</b>	<b>2.42</b>	<b>58.11</b>	<b>10.61</b>	<b>1.47</b>	<b>26.80</b>	<b>40%</b>
UHD46KP	8.20	67.00%	0.0%	67.0%	0.0%	33.00%	0.00073	375	1.000	5.49	5.49	1.50	36.10	6.59	1.95	16.65	40%
MEK/ Isobutylacetate	7.00	100.00%	0.0%	100.00%	0.0%	0.00%	0.00024	375	1.000	7.00	7.00	0.63	15.12	2.76	0.00	N/A	40%
<b>R-T-S</b>	<b>7.90</b>	<b>74.23%</b>	<b>0.0%</b>	<b>74.23%</b>	<b>0.0%</b>	<b>24.84%</b>	<b>0.00097</b>	<b>375</b>	<b>1.000</b>	<b>5.87</b>	<b>5.87</b>	<b>2.13</b>	<b>51.21</b>	<b>9.35</b>	<b>1.95</b>	<b>23.62</b>	<b>40%</b>
											<b>Worst Case:</b>	<b>2.42</b>	<b>58.1</b>	<b>10.61</b>	<b>2.42</b>		

Material	Density (lb/gal)	Weight % Volatile (H2O & Organics)	Weight % Water	Weight % Organics	Volume % Water	Volume % Non-Vol (solids)	Gal of Mat (gal/unit)	Maximum (unit/hour)	Flash-off (fraction)	Pounds VOC per gallon of coating less water	Pounds VOC per gallon of coating	Potential VOC pounds per hour	Potential VOC pounds per day	Potential VOC tons per year	Particulate Potential tons per year	lb VOC /gal solids	Transfer Efficiency
<b>ZJR</b>																	
AE261-31009	7.87	68.63%	0.0%	68.6%	0.0%	22.96%	0.00667	180	1.000	5.40	5.40	6.48	155.57	28.39	7.79	23.52	40%
S2791	6.62	100.00%	0.0%	100.00%	0.0%	0.00%	0.00333	180	1.000	6.62	6.62	3.97	95.23	17.38	0.00	N/A	40%
<b>R-T-S</b>	<b>7.45</b>	<b>77.91%</b>	<b>0.0%</b>	<b>77.91%</b>	<b>0.0%</b>	<b>15.31%</b>	<b>0.01000</b>	<b>180</b>	<b>1.000</b>	<b>5.81</b>	<b>5.81</b>	<b>10.45</b>	<b>250.80</b>	<b>45.77</b>	<b>7.79</b>	<b>37.92</b>	<b>40%</b>
AE261-30020	8.30	64.01%	0.0%	64.0%	0.0%	24.24%	0.00667	180	1.000	5.31	5.31	6.38	153.11	27.94	9.43	21.92	40%
S2791	6.62	100.00%	0.0%	100.00%	0.0%	0.00%	0.00333	180	1.000	6.62	6.62	3.97	95.23	17.38	0.00	N/A	40%
<b>R-T-S</b>	<b>7.74</b>	<b>74.25%</b>	<b>0.0%</b>	<b>74.25%</b>	<b>0.0%</b>	<b>16.17%</b>	<b>0.01000</b>	<b>180</b>	<b>1.000</b>	<b>5.75</b>	<b>5.75</b>	<b>10.35</b>	<b>248.34</b>	<b>45.32</b>	<b>9.43</b>	<b>35.55</b>	<b>40%</b>
AE261-30155	7.84	67.99%	0.0%	68.0%	0.0%	24.06%	0.00667	180	1.000	5.33	5.33	6.40	153.51	28.02	7.91	22.15	40%
S2791	6.62	100.00%	0.0%	100.00%	0.0%	0.00%	0.00333	180	1.000	6.62	6.62	3.97	95.23	17.38	0.00	N/A	40%
<b>R-T-S</b>	<b>7.43</b>	<b>77.49%</b>	<b>0.0%</b>	<b>77.49%</b>	<b>0.0%</b>	<b>16.04%</b>	<b>0.01000</b>	<b>180</b>	<b>1.000</b>	<b>5.76</b>	<b>5.76</b>	<b>10.36</b>	<b>248.75</b>	<b>45.40</b>	<b>7.91</b>	<b>35.89</b>	<b>40%</b>
AE261-30012	8.03	66.44%	0.0%	66.4%	0.0%	23.79%	0.00667	180	1.000	5.33	5.33	6.40	153.64	28.04	8.50	22.42	40%
S2791	6.62	100.00%	0.0%	100.00%	0.0%	0.00%	0.00333	180	1.000	6.62	6.62	3.97	95.23	17.38	0.00	N/A	40%
<b>R-T-S</b>	<b>7.56</b>	<b>76.23%</b>	<b>0.0%</b>	<b>76.23%</b>	<b>0.0%</b>	<b>15.87%</b>	<b>0.01000</b>	<b>180</b>	<b>1.000</b>	<b>5.76</b>	<b>5.76</b>	<b>10.37</b>	<b>248.87</b>	<b>45.42</b>	<b>8.50</b>	<b>36.31</b>	<b>40%</b>
AE261-30349	8.57	60.99%	0.0%	61.0%	0.0%	25.47%	0.00667	180	1.000	5.22	5.22	6.27	150.55	27.48	10.55	20.52	40%
S2791	6.62	100.00%	0.0%	100.00%	0.0%	0.00%	0.00333	180	1.000	6.62	6.62	3.97	95.23	17.38	0.00	N/A	40%
<b>R-T-S</b>	<b>7.92</b>	<b>71.85%</b>	<b>0.0%</b>	<b>71.85%</b>	<b>0.0%</b>	<b>16.99%</b>	<b>0.01000</b>	<b>180</b>	<b>1.000</b>	<b>5.69</b>	<b>5.69</b>	<b>10.24</b>	<b>245.79</b>	<b>44.86</b>	<b>10.55</b>	<b>33.50</b>	<b>40%</b>
											<b>Worst Case:</b>	<b>10.5</b>	<b>251</b>	<b>45.8</b>	<b>10.5</b>		
<b>ZJM</b>																	
AE261-31009	7.87	68.63%	0.0%	68.6%	0.0%	22.96%	0.00053	60	1.000	5.40	5.40	0.17	4.12	0.75	0.21	23.52	40%
S2791	6.62	100.00%	0.0%	100.00%	0.0%	0.00%	0.00018	60	1.000	6.62	6.62	0.07	1.72	0.31	0.00	N/A	40%
<b>R-T-S</b>	<b>7.55</b>	<b>75.60%</b>	<b>0.0%</b>	<b>75.60%</b>	<b>0.0%</b>	<b>17.14%</b>	<b>0.00070</b>	<b>60</b>	<b>1.000</b>	<b>5.71</b>	<b>5.71</b>	<b>0.24</b>	<b>5.75</b>	<b>1.05</b>	<b>0.20</b>	<b>33.31</b>	<b>40%</b>
80261N874	7.20	82.00%	0.0%	82.0%	0.0%	12.00%	0.00047	60	1.000	5.90	5.90	0.17	4.00	0.73	0.10	49.20	40%
S2791	6.62	100.00%	0.0%	100.00%	0.0%	0.00%	0.00023	60	1.000	6.62	6.62	0.09	2.19	0.40	0.00	N/A	40%
<b>R-T-S</b>	<b>7.01</b>	<b>87.59%</b>	<b>0.0%</b>	<b>87.59%</b>	<b>0.0%</b>	<b>8.06%</b>	<b>0.00070</b>	<b>60</b>	<b>1.000</b>	<b>6.14</b>	<b>6.14</b>	<b>0.26</b>	<b>6.19</b>	<b>1.13</b>	<b>0.10</b>	<b>76.20</b>	<b>40%</b>
89062N420	8.60	56.00%	0.0%	56.0%	0.0%	28.00%	0.00035	60	1.000	4.82	4.82	0.10	2.43	0.44	0.21	17.20	40%
S2791	6.62	100.00%	0.0%	100.00%	0.0%	0.00%	0.00035	60	1.000	6.62	6.62	0.14	3.34	0.61	0.00	N/A	40%
<b>R-T-S</b>	<b>7.61</b>	<b>75.14%</b>	<b>0.0%</b>	<b>75.14%</b>	<b>0.0%</b>	<b>14.00%</b>	<b>0.00070</b>	<b>60</b>	<b>1.000</b>	<b>5.72</b>	<b>5.72</b>	<b>0.24</b>	<b>5.76</b>	<b>1.05</b>	<b>0.21</b>	<b>40.84</b>	<b>40%</b>
AE26130020	8.30	64.01%	0.0%	64.0%	0.0%	24.24%	0.00047	60	1.000	5.31	5.31	0.15	3.60	0.66	0.22	21.91	40%
S2791	6.62	100.00%	0.0%	100.00%	0.0%	0.00%	0.00023	60	1.000	6.62	6.62	0.09	2.19	0.40	0.00	N/A	40%
<b>R-T-S</b>	<b>7.75</b>	<b>74.11%</b>	<b>0.0%</b>	<b>74.11%</b>	<b>0.0%</b>	<b>16.28%</b>	<b>0.00070</b>	<b>60</b>	<b>1.000</b>	<b>5.74</b>	<b>5.74</b>	<b>0.24</b>	<b>5.79</b>	<b>1.06</b>	<b>0.22</b>	<b>35.28</b>	<b>40%</b>
AE 26130890	7.88	69.51%	0.0%	69.5%	0.0%	22.40%	0.00047	60	1.000	5.48	5.48	0.15	3.71	0.68	0.18	24.46	40%
S2791	6.62	100.00%	0.0%	100.00%	0.0%	0.00%	0.00023	60	1.000	6.62	6.62	0.09	2.19	0.40	0.00	N/A	40%
<b>R-T-S</b>	<b>7.47</b>	<b>78.39%</b>	<b>0.0%</b>	<b>78.39%</b>	<b>0.0%</b>	<b>15.04%</b>	<b>0.00070</b>	<b>60</b>	<b>1.000</b>	<b>5.85</b>	<b>5.85</b>	<b>0.25</b>	<b>5.90</b>	<b>1.08</b>	<b>0.18</b>	<b>38.92</b>	<b>40%</b>
											<b>Worst Case:</b>	<b>0.26</b>	<b>6.19</b>	<b>1.13</b>	<b>0.22</b>		
<b>A</b>																	
Arc 26792	7.99	71.39%	0.0%	71.4%	0.0%	15.12%	0.00144	950	1.000	5.71	5.71	7.81	187.33	34.19	8.22	37.75	40%
Toluene	7.26	100.00%	0.0%	100.00%	0.0%	0.00%	0.00144	950	1.000	7.26	7.26	9.93	238.22	43.48	0.00	N/A	40%
<b>R-T-S</b>	<b>7.62</b>	<b>85.00%</b>	<b>0.0%</b>	<b>85.00%</b>	<b>0.0%</b>	<b>7.56%</b>	<b>0.00287</b>	<b>950</b>	<b>1.000</b>	<b>6.48</b>	<b>6.48</b>	<b>17.67</b>	<b>424.07</b>	<b>77.39</b>	<b>8.19</b>	<b>85.75</b>	<b>40%</b>
DMT35838	8.09	64.27%	0.0%	64.3%	0.0%	27.38%	0.00144	950	1.000	5.20	5.20	7.11	170.71	31.15	10.39	18.99	40%
S2790	7.02	100.00%	0.0%	100.00%	0.0%	0.00%	0.00144	950	1.000	7.02	7.02	9.61	230.56	42.08	0.00	N/A	40%
<b>R-T-S</b>	<b>7.56</b>	<b>80.87%</b>	<b>0.0%</b>	<b>80.87%</b>	<b>0.0%</b>	<b>13.69%</b>	<b>0.00287</b>	<b>950</b>	<b>1.000</b>	<b>6.11</b>	<b>6.11</b>	<b>16.66</b>	<b>399.87</b>	<b>72.98</b>	<b>10.36</b>	<b>44.64</b>	<b>40%</b>
UHD 45MP Paint-Argent	8.10	59.00%	0.0%	59.0%	0.0%	33.00%	0.00191	950	1.000	4.78	4.78	8.67	208.12	37.98	15.84	14.48	40%
MEK/ Isobutylacetate	7.00	100.00%	0.0%	100.00%	0.0%	0.00%	0.00096	950	1.000	7.00	7.00	6.38	153.19	27.96	0.00	N/A	40%
<b>R-T-S</b>	<b>7.73</b>	<b>71.41%</b>	<b>0.0%</b>	<b>71.41%</b>	<b>0.0%</b>	<b>21.96%</b>	<b>0.00287</b>	<b>950</b>	<b>1.000</b>	<b>5.52</b>	<b>5.52</b>	<b>15.05</b>	<b>361.31</b>	<b>65.94</b>	<b>15.84</b>	<b>25.14</b>	<b>40%</b>
LE19353	8.66	48.55%	0.0%	48.5%	0.0%	40.98%	0.00191	950	1.000	4.21	4.21	7.63	183.16	33.43	21.26	10.26	40%
S1305	7.35	100.00%	0.0%	100.00%	0.0%	0.00%	0.00096	950	1.000	7.35	7.35	6.70	160.82	29.35	0.00	N/A	40%
<b>R-T-S</b>	<b>8.22</b>	<b>63.93%</b>	<b>0.0%</b>	<b>63.93%</b>	<b>0.0%</b>	<b>27.27%</b>	<b>0.00287</b>	<b>950</b>	<b>1.000</b>	<b>5.26</b>	<b>5.26</b>	<b>14.33</b>	<b>343.99</b>	<b>62.78</b>	<b>21.26</b>	<b>19.28</b>	<b>40%</b>
LE19800	7.85	48.46%	0.0%	48.5%	0.0%	40.66%	0.00144	950	1.000	3.80	3.80	5.20	124.89	22.79	14.55	9.36	40%
MEK	6.72	100.00%	0.0%	100.00%	0.0%	0.00%	0.00144	950	1.000	6.72	6.72	9.20	220.70	40.28	0.00	N/A	40%
<b>R-T-S</b>	<b>7.29</b>	<b>72.23%</b>	<b>0.0%</b>	<b>72.23%</b>	<b>0.0%</b>	<b>20.33%</b>	<b>0.00287</b>	<b>950</b>	<b>1.000</b>	<b>5.26</b>	<b>5.26</b>	<b>14.35</b>	<b>344.39</b>	<b>62.85</b>	<b>14.50</b>	<b>25.89</b>	<b>40%</b>
											<b>Worst Case:</b>	<b>17.7</b>	<b>424</b>	<b>77.4</b>	<b>21.3</b>		
<b>B</b>																	
UHD 45MP Paint-Argent	8.10	59.00%	0.0%	59.0%	0.0%	33.00%	0.00373	750	1.000	4.78	4.78	13.37	320.86	58.56	24.42	14.48	40%
MEK/ Isobutylacetate	7.00	100.00%	0.0%	100.00%	0.0%	0.00%	0.00373	750	1.000	7.00	7.00	19.58	469.91	85.76	0.00	N/A	40%
<b>R-T-S</b>	<b>7.55</b>	<b>78.01%</b>	<b>0.0%</b>	<b>78.01%</b>	<b>0.0%</b>	<b>16.50%</b>	<b>0.00746</b>	<b>750</b>	<b>1.000</b>	<b>5.89</b>	<b>5.89</b>	<b>32.95</b>	<b>790.77</b>	<b>144.32</b>	<b>24.42</b>	<b>35.69</b>	<b>40%</b>
DMT35838	8.09	64.27%	0.0%	64.3%	0.0%	27.38%	0.00373	750	1.000	5.20	5.20	14.55	349.09	63.71	21.25	18.99	40%
S2791	6.62	100.00%	0.0%	100.00%	0.0%	0.00%	0.00373	750	1.000	6.62	6.62	18.52	444.47	81.12	0.00	N/A	40%
<b>R-T-S</b>	<b>7.36</b>	<b>80.35%</b>	<b>0.0%</b>	<b>80.35%</b>	<b>0.0%</b>	<b>13.69%</b>	<b>0.00746</b>	<b>750</b>	<b>1.000</b>	<b>5.91</b>	<b>5.91</b>	<b>33.06</b>	<b>793.56</b>	<b>144.82</b>	<b>21.25</b>	<b>43.17</b>	<b>40%</b>
<b>LE20061</b>	<b>7.92</b>	<b>65.44%</b>	<b>0.0%</b>	<b>65.4%</b>	<b>0.0%</b>	<b>27.85%</b>	<b>0.00746</b>	<b>750</b>	<b>1.000</b>	<b>5.18</b>	<b>5.18</b>	<b>29.01</b>	<b>696.20</b>	<b>127.06</b>	<b>40.26</b>	<b>18.62</b>	<b>40%</b>
CB34415	8.41	38.06%	0.0%	38.1%	0.0%	59.89%	0.00597	750	1.000	3.20	3.20	14.33	343.96	62.77	61.30	5.34	40%
Isobutylacetate	7.28	100.00%	0.0%	100.00%	0.0%	0.00%	0.00149	750	1.000	7.28	7.28	8.13	195.14	35.61	0.00	N/A	40%
<b>R-T-S</b>	<b>8.18</b>	<b>49.06%</b>	<b>0.0%</b>	<b>49.06%</b>	<b>0.0%</b>	<b>47.93%</b>	<b>0.00746</b>	<b>750</b>	<b>1.000</b>	<b>4.01</b>	<b>4.01</b>	<b>22.46</b>	<b>539.10</b>	<b>98.39</b>	<b>61.30</b>	<b>8.38</b>	<b>40%</b>
LE21534	8.99	45.00%	0.0%	45.0%	0.0%	43.10%	0.00497	750	1.000	4.04	4.04	15.07	361.76	66.02	48.41	9.38	40%
SV4167	7.34	100.00%	0.0%	100.00%	0.0%	0.00%	0.00249	750	1.000	7.34	7.34	13.71	328.94	60.03	0.00	N/A	40%
<b>R-T-S</b>	<b>8.44</b>	<b>60.97%</b>	<b>0.0%</b>	<b>60.97%</b>	<b>0.0%</b>	<b>28.71%</b>											



Material	Density (lb/gal)	Weight % Volatile (H2O & Organics)	Weight % Water	Weight % Organics	Volume % Water	Volume % Non-Vol (solids)	Gal of Mat (gal/unit)	Maximum (unit/hour)	Flash-off (fraction)	Pounds VOC per gallon of coating less water	Pounds VOC per gallon of coating	Potential VOC pounds per hour	Potential VOC pounds per day	Potential VOC tons per year	Particulate Potential tons per year	lb VOC /gal solids	Transfer Efficiency
<b>C</b>																	
UHD 45MP Paint-Argent	8.10	59.00%	0.0%	59.0%	0.0%	33.00%	0.00373	750	1.000	4.78	4.78	13.37	320.86	58.56	24.42	14.48	40%
MEK/ Isobutylacetate	7.00	100.00%	0.0%	100.00%	0.0%	0.00%	0.00373	750	1.000	7.00	7.00	19.58	469.91	85.76	0.00	N/A	40%
<b>R-T-S</b>	<b>7.55</b>	<b>78.01%</b>	<b>0.0%</b>	<b>78.01%</b>	<b>0.0%</b>	<b>16.50%</b>	<b>0.00746</b>	<b>750</b>	<b>1.000</b>	<b>5.89</b>	<b>5.89</b>	<b>32.95</b>	<b>790.77</b>	<b>144.32</b>	<b>24.42</b>	<b>35.69</b>	<b>40%</b>
DMT35838	8.09	64.27%	0.0%	64.3%	0.0%	27.38%	0.00373	750	1.000	5.20	5.20	14.55	349.09	63.71	21.25	18.99	40%
S2790	7.02	100.00%	0.0%	100.00%	0.0%	0.00%	0.00373	750	1.000	7.02	7.02	19.64	471.48	86.04	0.00	N/A	40%
<b>R-T-S</b>	<b>7.66</b>	<b>80.87%</b>	<b>0.0%</b>	<b>80.87%</b>	<b>0.0%</b>	<b>13.69%</b>	<b>0.00746</b>	<b>750</b>	<b>1.000</b>	<b>6.11</b>	<b>6.11</b>	<b>34.19</b>	<b>820.57</b>	<b>149.75</b>	<b>21.25</b>	<b>44.64</b>	<b>40%</b>
<b>LE20061</b>	<b>7.92</b>	<b>65.44%</b>	<b>0.0%</b>	<b>65.4%</b>	<b>0.0%</b>	<b>27.85%</b>	<b>0.00746</b>	<b>750</b>	<b>1.000</b>	<b>5.18</b>	<b>5.18</b>	<b>29.01</b>	<b>696.20</b>	<b>127.06</b>	<b>40.26</b>	<b>18.62</b>	<b>40%</b>
CBC34415	8.41	38.06%	0.0%	38.1%	0.0%	59.89%	0.00597	750	1.000	3.20	3.20	14.33	343.96	62.77	61.30	5.34	40%
Isobutylacetate	7.28	100.00%	0.0%	100.00%	0.0%	0.00%	0.00149	750	1.000	7.28	7.28	8.13	195.14	35.61	0.00	N/A	40%
<b>R-T-S</b>	<b>8.18</b>	<b>49.06%</b>	<b>0.0%</b>	<b>49.06%</b>	<b>0.0%</b>	<b>47.93%</b>	<b>0.00746</b>	<b>750</b>	<b>1.000</b>	<b>4.01</b>	<b>4.01</b>	<b>22.46</b>	<b>539.10</b>	<b>98.39</b>	<b>61.30</b>	<b>8.38</b>	<b>40%</b>
CBC35626	8.27	38.44%	0.0%	38.4%	0.0%	53.31%	0.00597	750	1.000	3.18	3.18	14.23	341.61	62.34	59.91	5.96	40%
Isobutylacetate	7.28	100.00%	0.0%	100.00%	0.0%	0.00%	0.00149	750	1.000	7.28	7.28	8.13	195.14	35.61	0.00	N/A	40%
<b>R-T-S</b>	<b>8.07</b>	<b>49.52%</b>	<b>0.0%</b>	<b>49.52%</b>	<b>0.0%</b>	<b>42.66%</b>	<b>0.00746</b>	<b>750</b>	<b>1.000</b>	<b>4.00</b>	<b>4.00</b>	<b>22.36</b>	<b>536.75</b>	<b>97.96</b>	<b>59.91</b>	<b>9.37</b>	<b>40%</b>
											<b>Worst Case:</b>	<b>34.2</b>	<b>821</b>	<b>150</b>	<b>61.3</b>		
<b>D</b>																	
UHD 45MP Paint-Argent	8.10	59.00%	0.0%	59.0%	0.0%	33.00%	0.00560	750	1.000	4.78	4.78	20.07	481.72	87.91	36.66	14.48	40%
MEK/ Isobutylacetate	7.00	100.00%	0.0%	100.00%	0.0%	0.00%	0.00187	750	1.000	7.00	7.00	9.82	235.58	42.99	0.00	N/A	40%
<b>R-T-S</b>	<b>7.82</b>	<b>68.18%</b>	<b>0.0%</b>	<b>68.18%</b>	<b>0.0%</b>	<b>24.74%</b>	<b>0.00746</b>	<b>750</b>	<b>1.000</b>	<b>5.33</b>	<b>5.33</b>	<b>29.85</b>	<b>716.35</b>	<b>130.73</b>	<b>36.61</b>	<b>21.56</b>	<b>40%</b>
DMT35838	8.09	64.27%	0.0%	64.3%	0.0%	27.38%	0.00497	750	1.000	5.20	5.20	19.38	465.14	84.89	28.32	18.99	40%
S2790	7.02	100.00%	0.0%	100.00%	0.0%	0.00%	0.00249	750	1.000	7.02	7.02	13.11	314.74	57.44	0.00	N/A	40%
<b>R-T-S</b>	<b>7.73</b>	<b>75.10%</b>	<b>0.0%</b>	<b>75.10%</b>	<b>0.0%</b>	<b>18.24%</b>	<b>0.00746</b>	<b>750</b>	<b>1.000</b>	<b>5.81</b>	<b>5.81</b>	<b>32.50</b>	<b>779.88</b>	<b>142.33</b>	<b>28.32</b>	<b>31.84</b>	<b>40%</b>
<b>LE20061</b>	<b>7.92</b>	<b>65.44%</b>	<b>0.0%</b>	<b>65.4%</b>	<b>0.0%</b>	<b>27.85%</b>	<b>0.00746</b>	<b>750</b>	<b>1.000</b>	<b>5.18</b>	<b>5.18</b>	<b>29.01</b>	<b>696.20</b>	<b>127.06</b>	<b>40.26</b>	<b>18.62</b>	<b>40%</b>
DCT3000	8.48	32.13%	0.0%	32.1%	0.0%	61.54%	0.00597	750	1.000	2.72	2.72	12.20	292.79	53.43	67.72	4.43	40%
Isobutylacetate	7.28	100.00%	0.0%	100.00%	0.0%	0.00%	0.00149	750	1.000	7.28	7.28	8.13	195.14	35.61	0.00	N/A	40%
<b>R-T-S</b>	<b>8.24</b>	<b>44.10%</b>	<b>0.0%</b>	<b>44.10%</b>	<b>0.0%</b>	<b>49.25%</b>	<b>0.00746</b>	<b>750</b>	<b>1.000</b>	<b>3.63</b>	<b>3.63</b>	<b>20.33</b>	<b>487.93</b>	<b>89.05</b>	<b>67.72</b>	<b>7.38</b>	<b>40%</b>
LE19825	8.44	42.59%	0.0%	42.6%	0.0%	48.55%	0.00497	750	1.000	3.60	3.60	13.40	321.61	58.69	47.47	7.41	40%
S1305	7.35	100.00%	0.0%	100.00%	0.0%	0.00%	0.00249	750	1.000	7.35	7.35	13.72	329.32	60.10	0.00	N/A	40%
<b>R-T-S</b>	<b>8.08</b>	<b>60.02%</b>	<b>0.0%</b>	<b>60.02%</b>	<b>0.0%</b>	<b>32.34%</b>	<b>0.00746</b>	<b>750</b>	<b>1.000</b>	<b>4.85</b>	<b>4.85</b>	<b>27.12</b>	<b>650.93</b>	<b>118.79</b>	<b>47.47</b>	<b>14.99</b>	<b>40%</b>
											<b>Worst Case:</b>	<b>32.5</b>	<b>780</b>	<b>142</b>	<b>67.7</b>		
<b>E</b>																	
HD7CPB1 Paint-Clearcoat	8.25	46.00%	0.0%	46.0%	0.0%	51.00%	0.00713	750	1.000	3.80	3.80	20.29	487.05	88.89	62.61	7.44	40%
MEK/ Isobutylacetate	7.00	100.00%	0.0%	100.00%	0.0%	0.00%	0.00238	750	1.000	7.00	7.00	12.49	299.83	54.72	0.00	N/A	40%
<b>R-T-S</b>	<b>7.94</b>	<b>57.92%</b>	<b>0.0%</b>	<b>57.92%</b>	<b>0.0%</b>	<b>38.24%</b>	<b>0.00951</b>	<b>750</b>	<b>1.000</b>	<b>4.60</b>	<b>4.60</b>	<b>32.79</b>	<b>786.88</b>	<b>143.61</b>	<b>62.61</b>	<b>12.02</b>	<b>40%</b>
LE19929	7.92	65.49%	0.0%	65.5%	0.0%	27.78%	0.00713	750	1.000	5.19	5.19	27.75	665.98	121.54	38.42	18.68	40%
MAK	6.84	100.00%	0.0%	100.00%	0.0%	0.00%	0.00238	750	1.000	6.84	6.84	12.21	292.97	53.47	0.00	N/A	40%
<b>R-T-S</b>	<b>7.65</b>	<b>73.21%</b>	<b>0.0%</b>	<b>73.21%</b>	<b>0.0%</b>	<b>20.83%</b>	<b>0.00951</b>	<b>750</b>	<b>1.000</b>	<b>5.60</b>	<b>5.60</b>	<b>39.96</b>	<b>958.95</b>	<b>175.01</b>	<b>38.42</b>	<b>26.89</b>	<b>40%</b>
<b>LE20061</b>	<b>7.92</b>	<b>65.44%</b>	<b>0.0%</b>	<b>65.4%</b>	<b>0.0%</b>	<b>27.85%</b>	<b>0.00951</b>	<b>750</b>	<b>1.000</b>	<b>5.18</b>	<b>5.18</b>	<b>36.98</b>	<b>887.52</b>	<b>161.97</b>	<b>51.32</b>	<b>18.62</b>	<b>40%</b>
DBU 88	8.09	54.09%	0.0%	54.1%	0.0%	39.82%	0.00713	750	1.000	4.38	4.38	23.40	561.60	102.49	52.20	10.99	40%
S2790	7.02	100.00%	0.0%	100.00%	0.0%	0.00%	0.00238	750	1.000	7.02	7.02	12.53	300.83	54.90	0.00	N/A	40%
<b>R-T-S</b>	<b>7.82</b>	<b>64.40%</b>	<b>0.0%</b>	<b>64.40%</b>	<b>0.0%</b>	<b>29.85%</b>	<b>0.00951</b>	<b>750</b>	<b>1.000</b>	<b>5.04</b>	<b>5.04</b>	<b>35.93</b>	<b>862.44</b>	<b>157.39</b>	<b>52.20</b>	<b>16.88</b>	<b>40%</b>
DCT3000	8.48	32.13%	0.0%	32.1%	0.0%	61.34%	0.00761	750	1.000	2.72	2.72	15.55	373.22	68.11	86.33	4.44	40%
Isobutylacetate	7.28	100.00%	0.0%	100.00%	0.0%	0.00%	0.00190	750	1.000	7.28	7.28	10.37	248.83	45.41	0.00	N/A	40%
<b>R-T-S</b>	<b>8.24</b>	<b>44.10%</b>	<b>0.0%</b>	<b>44.10%</b>	<b>0.0%</b>	<b>49.08%</b>	<b>0.00951</b>	<b>750</b>	<b>1.000</b>	<b>3.63</b>	<b>3.63</b>	<b>25.92</b>	<b>622.05</b>	<b>113.52</b>	<b>86.33</b>	<b>7.40</b>	<b>40%</b>
											<b>Worst Case:</b>	<b>40.0</b>	<b>959</b>	<b>175</b>	<b>86.3</b>		
<b>F</b>																	
UHD19KP-A	8.20	67.00%	0.0%	67.0%	0.0%	36.00%	0.00634	375	1.000	5.49	5.49	13.06	313.49	57.21	16.91	15.26	40%
MEK/ Isobutylacetate	7.00	100.00%	0.0%	100.00%	0.0%	0.00%	0.00317	375	1.000	7.00	7.00	8.32	199.68	36.44	0.00	N/A	40%
<b>R-T-S</b>	<b>7.80</b>	<b>76.87%</b>	<b>0.0%</b>	<b>76.87%</b>	<b>0.0%</b>	<b>24.00%</b>	<b>0.00951</b>	<b>375</b>	<b>1.000</b>	<b>6.00</b>	<b>6.00</b>	<b>21.38</b>	<b>513.17</b>	<b>93.65</b>	<b>16.91</b>	<b>24.98</b>	<b>40%</b>
DMT 9517	7.73	68.00%	0.0%	68.0%	0.0%	26.00%	0.00634	375	1.000	5.26	5.26	12.50	299.93	54.74	15.46	20.22	40%
MEK/ Isobutylacetate	7.00	100.00%	0.0%	100.00%	0.0%	0.00%	0.00317	375	1.000	7.00	7.00	8.32	199.68	36.44	0.00	N/A	40%
<b>R-T-S</b>	<b>7.49</b>	<b>77.97%</b>	<b>0.0%</b>	<b>77.97%</b>	<b>0.0%</b>	<b>17.33%</b>	<b>0.00951</b>	<b>375</b>	<b>1.000</b>	<b>5.84</b>	<b>5.84</b>	<b>20.82</b>	<b>499.61</b>	<b>91.18</b>	<b>15.46</b>	<b>33.68</b>	<b>40%</b>
<b>DEM 9440</b>	<b>7.91</b>	<b>68.00%</b>	<b>0.0%</b>	<b>68.0%</b>	<b>0.0%</b>	<b>23.00%</b>	<b>0.00951</b>	<b>375</b>	<b>1.000</b>	<b>5.38</b>	<b>5.38</b>	<b>19.18</b>	<b>460.37</b>	<b>84.02</b>	<b>23.72</b>	<b>23.39</b>	<b>40%</b>
UHD45MP	8.10	59.00%	0.0%	59.0%	0.0%	33.00%	0.00634	375	1.000	4.78	4.78	11.36	272.69	49.77	20.75	14.48	40%
MEK/ Isobutylacetate	7.00	100.00%	0.0%	100.00%	0.0%	0.00%	0.00317	375	1.000	7.00	7.00	8.32	199.68	36.44	0.00	N/A	40%
<b>R-T-S</b>	<b>7.73</b>	<b>71.37%</b>	<b>0.0%</b>	<b>71.37%</b>	<b>0.0%</b>	<b>22.00%</b>	<b>0.00951</b>	<b>375</b>	<b>1.000</b>	<b>5.52</b>	<b>5.52</b>	<b>19.68</b>	<b>472.37</b>	<b>86.21</b>	<b>20.75</b>	<b>25.09</b>	<b>40%</b>
											<b>Worst Case:</b>	<b>21.4</b>	<b>513</b>	<b>93.7</b>	<b>23.7</b>		

Material	Density (lb/gal)	Weight % Volatile (H2O & Organics)	Weight % Water	Weight % Organics	Volume % Water	Volume % Non-Vol (solids)	Gal of Mat (gal/unit)	Maximum (unit/hour)	Flash-off (fraction)	Pounds VOC per gallon of coating less water	Pounds VOC per gallon of coating	Potential VOC pounds per hour	Potential VOC pounds per day	Potential VOC tons per year	Particulate Potential tons per year	lb VOC /gal solids	Transfer Efficiency
<b>G</b>																	
UHD19KP-A	8.20	67.00%	0.0%	67.0%	0.0%	36.00%	0.00634	375	1.000	5.49	5.49	13.06	313.49	57.21	16.91	15.26	40%
MEK/ Isobutylacetate	7.00	100.00%	0.0%	100.00%	0.0%	0.00%	0.00317	375	1.000	7.00	7.00	8.32	199.68	36.44	0.00	N/A	40%
<b>R-T-S</b>	<b>7.80</b>	<b>76.87%</b>	<b>0.0%</b>	<b>76.87%</b>	<b>0.0%</b>	<b>24.00%</b>	<b>0.00951</b>	<b>375</b>	<b>1.000</b>	<b>6.00</b>	<b>6.00</b>	<b>21.38</b>	<b>513.17</b>	<b>93.65</b>	<b>16.91</b>	<b>24.98</b>	<b>40%</b>
DMT 9517	7.73	68.00%	0.0%	68.0%	0.0%	26.00%	0.00476	375	1.000	5.26	5.26	9.38	225.18	41.10	11.60	20.22	40%
MEK/ Isobutylacetate	7.00	100.00%	0.0%	100.00%	0.0%	0.00%	0.00476	375	1.000	7.00	7.00	12.49	299.83	54.72	0.00	N/A	40%
<b>R-T-S</b>	<b>7.36</b>	<b>83.21%</b>	<b>0.0%</b>	<b>83.21%</b>	<b>0.0%</b>	<b>13.00%</b>	<b>0.00951</b>	<b>375</b>	<b>1.000</b>	<b>6.13</b>	<b>6.13</b>	<b>21.85</b>	<b>524.47</b>	<b>95.72</b>	<b>11.59</b>	<b>47.14</b>	<b>40%</b>
<b>DEM 9440</b>	<b>7.91</b>	<b>68.00%</b>	<b>0.0%</b>	<b>68.0%</b>	<b>0.0%</b>	<b>23.00%</b>	<b>0.00951</b>	<b>375</b>	<b>1.000</b>	<b>5.38</b>	<b>5.38</b>	<b>19.18</b>	<b>460.37</b>	<b>84.02</b>	<b>23.72</b>	<b>23.39</b>	<b>40%</b>
UHD45MP	8.10	59.00%	0.0%	59.0%	0.0%	33.00%	0.00634	375	1.000	4.78	4.78	11.36	272.69	49.77	20.75	14.48	40%
MEK/ Isobutylacetate	7.00	100.00%	0.0%	100.00%	0.0%	0.00%	0.00317	375	1.000	7.00	7.00	8.32	199.68	36.44	0.00	N/A	40%
<b>R-T-S</b>	<b>7.73</b>	<b>71.37%</b>	<b>0.0%</b>	<b>71.37%</b>	<b>0.0%</b>	<b>22.00%</b>	<b>0.00951</b>	<b>375</b>	<b>1.000</b>	<b>5.52</b>	<b>5.52</b>	<b>19.68</b>	<b>472.37</b>	<b>86.21</b>	<b>20.75</b>	<b>25.09</b>	<b>40%</b>
<b>Worst Case:</b>												<b>21.9</b>	<b>524</b>	<b>95.7</b>	<b>23.7</b>		
												<b>293</b>	<b>7037</b>	<b>1284</b>	<b>458</b>		

State Potential Emissions

Add worst case coating to all solvents

Control Technology Emissions (Combustion)										Emissions						
Type	Number	Capacity	Gas usage	PM	PM10	SO2	NOx	VOC	CO		PM	PM10	SO2	NOx	VOC	CO
		MMBtu/hr	MMCF/yr	lb/MMCF	lb/MMCF	lb/MMCF	lb/MMCF	lb/MMCF	lb/MMCF		tons/yr	tons/yr	tons/yr	tons/yr	tons/yr	tons/yr
Catalytic			0.0	3.0	3.0	0.6	100.0	5.3	35.0		0.0	0.0	0.0	0.0	0.0	0.0
Thermal			0.0	3.0	3.0	0.6	140.0	2.8	20.0		0.0	0.0	0.0	0.0	0.0	0.0
Total			0.0								0.0	0.0	0.0	0.0	0.0	0.0
										Control Efficiency		Controlled	Controlled	Controlled	Controlled	
										VOC	PM	VOC pounds	VOC pounds	VOC	Particulate	
										<b>0.00</b>	<b>0.90</b>	per hour	per day	tons/yr	tons/yr	

Controlled Emissions due to Surface Coating Operations and Controls

**2937037128445.8**

METHODOLOGY

Pounds of VOC per Gallon Coating less Water = (Density (lb/gal) \* Weight % Organics) / (1-Volume % water)

Pounds of VOC per Gallon Coating = (Density (lb/gal) \* Weight % Organics)

Potential VOC Pounds per Hour = Pounds of VOC per Gallon coating (lb/gal) \* Gal of Material (gal/unit) \* Maximum (units/hr) \* Flash-off

Potential VOC Pounds per Day = Pounds of VOC per Gallon coating (lb/gal) \* Gal of Material (gal/unit) \* Maximum (units/hr) \* (24 hr/day) \* Flash-off

Potential VOC Tons per Year = Pounds of VOC per Gallon coating (lb/gal) \* Gal of Material (gal/unit) \* Maximum (units/hr) \* (8760 hr/yr) \* (1 ton/2000 lbs) \* Flash-off

Particulate Potential Tons per Year = (units/hour) \* (gal/unit) \* (lbs/gal) \* (1- Weight % Volatiles) \* (1-Transfer efficiency) \*(8760 hrs/yr) \*(1 ton/2000 lbs)

Pounds VOC per Gallon of Solids = (Density (lbs/gal) \* Weight % organics) / (Volume % solids) \* Flash-off

Total = Worst Coating + Sum of all solvents used